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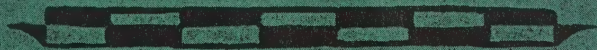
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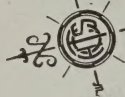


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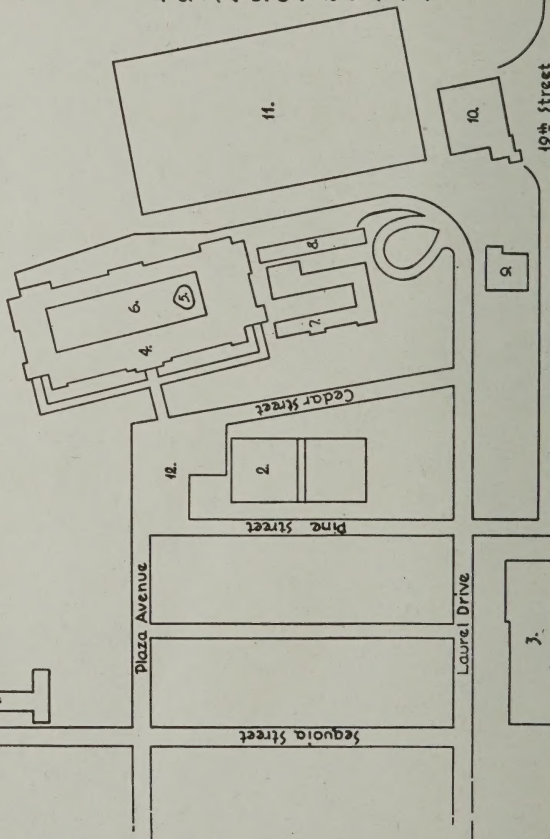
HUMBOLDT STATE COLLEGE

ARCATA, CALIFORNIA



LEGEND

1. Sunset Hall
2. Tennis Courts
3. Training School
4. Administration Building
5. Fountain
6. Court
7. Commons
8. Industrial Arts Building
9. President's House
10. Gymnasium
11. Athletic Field
12. Parking Space



scale 0' 20' 100'

Surveyed by
JOHN G. BAURIEDL, DOUGLAS SCHULER
Drawn by
RAYMOND HUDSON

HUMBOLDT STATE COLLEGE

CIRCULAR OF INFORMATION

COLLEGE YEAR 1936-1937

A State College for the Training of Teachers for the Public Schools
and for General College Work

Entered as second-class matter, April 4, 1916, at the post office at Arcata,
California, under the act of August 24, 1912



INTRODUCTORY

CALENDAR, 1936-1937

Fall Semester 1936

Monday, September 14-----English A Test, 10 a.m.
Monday, September 14-----Freshman Registration, 1 p.m. to 5 p.m.
Tuesday, September 15-----General Registration, 9 a.m. to 5 p.m.
Wednesday, September 16-----Instruction begins
Wednesday, November 11-----Armistice Day
Thursday, November 26, to Sunday, November 29---Thanksgiving recess
Saturday, December 19, to Sunday, January 4-----Christmas holidays
Monday, Tuesday, Wednesday, Thursday, January 25-28-----
-----Semester examinations

Spring Semester 1937

Monday, February 1-----English A Test, 9 a.m.
Monday, February 1-----General Registration, 9 a.m. to 5 p.m.
Tuesday, February 2-----Instruction begins
Saturday, March 20, to Sunday, March 28-----Spring Vacation
Monday, Tuesday, Wednesday, Thursday, June 7-10-----
-----Semester examinations
Friday, June 11-----Commencement

Summer Session 1937

Six weeks -----June 21 to July 30
Term 1A-----June 21 to July 9
Term 1B-----July 12 to July 30

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OFFICIAL DIRECTORY

HUMBOLDT STATE COLLEGE

Administered Through

the

STATE DEPARTMENT OF EDUCATION

State Board of Education

DR. LEWIS P. CRUTCHER, President

ARMISTEAD B. CARTER

J. R. GABBERT

J. HAROLD DECKER

R. E. GOLWAY

MISS ALICE H. DOUGHERTY

DANIEL C. MURPHY

ARTHUR W. ECKMAN

MRS. FLORENCE C. PORTER

MISS ALICE ROSE POWER

Executive Officers

VIERLING KERSEY-----Director of Education

SAM H. COHN-----Deputy Director of Education

WALTER E. MORGAN-----Assistant Superintendent
and Chief, Division of Research and Statistics

MRS. IRENE TAYLOR HEINEMAN-----
-----Assistant Superintendent of Public Instruction

MRS. EVELYN A. CLEMENT-----
-----Chief, Division of Teacher Training and Certification

A. A. DOUGLASS-----Chief, Division of Secondary Education

HELEN HEFFERNAN-----
-----Chief, Division of Elementary Education and Rural Schools

DR. IRA W. KIBBY-----Chief, Bureau Business Education

W. H. ORION-----Chief, Division of Health and Physical Education

DR. J. A. BURKMAN-----State College Adviser

Officers of Administration

ARTHUR S. GIST-----President
HOMER P. BALABANIS-----Vice President
MAURICE HICKLIN-----Dean of Lower Division
JESSIE T. WOODCOCK-----Financial Secretary
C. E. GRAVES-----Librarian
EMILY M. GRAVES-----Acting Assistant Librarian
SARAH M. DAVIES-----Secretary to the President
RUTH RILEY CARSTENS-----Recorder
MARGARET BROOKINS-----Assistant to Financial Secretary
ZULA Z. BALLEW-----Dean of Women and Head Resident, Sunset Hall

Directors

LEO G. SCHUSSMAN-----
-----Director of Teacher Training and Director of Placement Bureau
ANN V. CRAIG-----Director of Health Service
MAURICE HICKLIN-----Director of News Service

FACULTY

GIST, ARTHUR S., M.A.

PRESIDENT

B.Ed., M.A., University of Washington; additional graduate study, University of California, Columbia University. Director Teacher Training, San Francisco State Teachers College; Lecturer in Education, University of Washington; Lecturer in the Extension Division, University of California; Summer Session Faculty, University of Utah, George Peabody College for Teachers, University of Southern California. Author: Elementary School Supervision; Administration of an Elementary School; Clarifying the Teacher's Problems; Administration of Supervision; The Teaching and Supervision of Reading (co-author); New Stories from Eskimo Land (co-author). Editor of Yearbooks, Department of Elementary School Principals, National Educational Association.

ARNOLD, HOMER L., M.A.

PROFESSOR OF MATHEMATICS

Bachelor of Accounts, International Business College, South Bend, Indiana; B.S., Indiana State Teachers College (Eastern Division); A.B., University of Indiana; M.A., University of Chicago; additional graduate study, University of Chicago, Stanford University, University of Michigan. Head, Department of Education and Psychology, New Mexico State Normal School.

BALABANIS, HOMER P., Ph.D.

VICE-PRESIDENT AND PROFESSOR OF SOCIAL SCIENCE

Ph.B., M.A., University of Chicago; Ph.D., Stanford University. Assistant, School of Commerce and Administration, University of Chicago; Teaching assistant, Department of Economics, Stanford University; Summer Session Faculty, San Jose State Teachers College; Director of Summer Session, Humboldt State Teachers College. Author: The American Discount Market.

BALLEW, ZULA Z., M.A.

DEAN OF WOMEN

Graduate North Texas State Teachers College; B.S. and M.A., Columbia University. Executive Secretary, Y. W. C. A. Educational Reconstruction; Assistant Social Director, Barnard College and Teachers College, Columbia; Dean of Women and Instructor in English, New Mexico State Teachers College.

BESTOR, RUTH E., M.A.

ASSOCIATE PROFESSOR OF EDUCATION

B.S., M.A., Columbia University. Kindergarten and First Grade Teacher, Kalamazoo, Michigan; Critic Teacher, Western State Normal; Demonstration First Grade, Western State Normal; Critic Teacher, Kindergarten, University of California at Los Angeles; Demonstration Kindergarten, University of California at Los Angeles; Teacher, Second Grade, Progressive School of Los Angeles; Summer Session Demonstration Teacher, Columbia University.

CARSTENS, RUTH RILEY, A.B.

RECORDER

A.B., Linfield College; graduate study, University of Oregon. Graduate teaching assistant, Department of English, University of Oregon; Secretary to Superintendent of Schools, Longview, Washington; Secretary to the President, Humboldt State College, San Francisco State College; Secretary, Bureau of Appointments, University of Washington; Secretary to Superintendent of Schools, Pullman, Washington.

CLUXTON, HENRY T., M.A.

ASSOCIATE PROFESSOR OF EDUCATION

B.S., Ohio Normal University; A.B., M.A., University of Denver; additional graduate study, Stanford University. Principal of elementary schools, Denver; Director of Training School, University of Denver; Summer Session Faculty, Chico State Teachers College.

CRAIG, ANN V., M.A.

PROFESSOR OF PHYSICAL EDUCATION

A.B., Mills College; M.A., Columbia University. Assistant in Physical Education, Mills College; Mills College Field Hockey and Sports Camp; Summer Session Faculty in Physical Education, University of Virginia; Instructor in Physical Education, Occidental College.

DAVIES, SARAH, B.S.

SECRETARY TO THE PRESIDENT

B.S., Linfield College. Secretary to Superintendent of Schools, Longview, Washington; Secretary to the President of Linfield College; Student Assistant in the Department of Business Administration, Linfield College, McMinnville, Oregon.

DICKSON, BELLE L., M.A.

ASSISTANT PROFESSOR OF EDUCATION

A.B., University of Washington; M.A., University of Chicago. Teacher in elementary schools, Spokane, Washington. Author: Plans and Activities for the Primary Grades; Activities in Progressive Education.

FOLSOM, ELMA McCANN, M.A.

ASSOCIATE PROFESSOR OF ENGLISH

A.B., M.A., Washington State College; additional graduate study, University of California, Emerson School, University of Oregon, Stanford University. Instructor in Elementary Department, Washington State College; Professor of English, Michigan State Normal College, Ypsilanti, Michigan.

GARVIN, HELEN M., M.A.

ASSOCIATE PROFESSOR OF MUSIC

A.B., College of Pacific; M.A., Mills College; additional training, Northwestern University, Oberlin Observatory, Eastman School of Music, University of Oregon, Chicago Musical College. Supervisor of Music, public schools, Pittsburgh, Pa., Duluth, Minn., Modesto, California. Instructor in Music and Supervisor of Music Student Teachers, Mills College.

GRAVES, C. EDWARD, A.B.

LIBRARIAN

A.B., Wesleyan; New York State Library School. Instructor, Wesleyan University; Assistant, University of Illinois Library; Librarian, Minnesota Historical Society.

HADLEY, MONICA W., M.S.

ASSISTANT PROFESSOR OF PHYSICAL EDUCATION

B.S., M.S., University of Washington. Teaching Fellow in Physical Education, University of Washington.

HICKLIN, MAURICE, M.A.

DEAN OF LOWER DIVISION AND PROFESSOR OF ENGLISH

A.B., University of Missouri; B.J., School of Journalism, University of Missouri; M.A., Stanford University. Graduate teaching assistant, University of Missouri; Instructor, University of Washington; graduate teaching assistant, Stanford University; Summer Session Faculty, University of California at Los Angeles.

HOWE, J. WENDELL, M.A.

ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

B.S., Oregon State College; M.A., Stanford University; additional graduate study, University of California, University of Chicago, Hopkins Marine Station, University of Michigan. Author botanical papers. (On leave of absence, 1936-37.)

JEFFERS, EDMUND V., M.Mus.

ASSOCIATE PROFESSOR OF MUSIC

B.M. Ed., Illinois Wesleyan University, Bloomington; M. Mus., Bush Conservatory, Chicago. Studied voice with Theodore Harrison and composition with Jeanne Boyd; studied choral technic and interpretation with Father Finn.

JENKINS, HORACE R., M.S. PROFESSOR OF INDUSTRIAL ARTS

Graduate Central State Teachers College, Oklahoma, four-year Classical Course and three-year Art and Shop Course; additional study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University; B.S., M.S., Oregon Agricultural College. Assistant in Art, Oklahoma State Teachers College; practical experience in the trades and industries; experience as owner and manager of a commercial pottery shop.

JOHNSON, ADELLA, M.A. ASSOCIATE PROFESSOR OF MODERN LANGUAGES

A.B., University of Minnesota; M.A., University of Washington; additional graduate study, University of Washington, Stanford University, Columbia University, University of Minnesota, University of Paris, France. Travel in Europe with Intercollegiate French School. Teaching Fellow in French, University of Washington; Instructor in French and Latin, State Teachers College, Spearfish, South Dakota.

LANPHERE, WILLIAM M., Ph.D. ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

B.S., M.S., and Ph.D., University of Washington. Teaching Fellow and Associate in Biological Science, University of Washington.

LITTLE, STELLA SANKEY, M.A. PROFESSOR OF ART

A.B., Stanford University; graduate study, Stanford and the University of California; study of masterpieces in art in various art galleries of Europe; M.A., and Fine Arts Supervision Certificate, Columbia University; Summer Session, Eugene, and Post Session, Alaska, University of Oregon; Summer Session, University of Oregon. Summer faculty in Art, San Jose State Teachers College; Instructor in Art at Stanford University.

MACGINITIE, HARRY D., Ph.D. ASSOCIATE PROFESSOR OF PHYSICAL SCIENCE

A.B., Fresno State Teachers College; Ph.D., University of California. Author: The Trout Creek Flora of Southeastern Oregon.

PLATT, IMOGENE B., A.B. ASSISTANT PROFESSOR OF ENGLISH

A.B., University of Washington; graduate study, University of Washington, Stanford University. Registrar, Humboldt State Teachers College.

POULTNEY, ROBERT H., M.S. PROFESSOR OF BIOLOGICAL AND PHYSICAL SCIENCE

B.S., Cornell University; M.S., Utah Agricultural College; additional graduate study, Hopkins Marine Station, Stanford University, University of California, University of Chicago. Instructor, Rutgers College, New Jersey; Head of the Department of Biology and Nature Study, Southern Branch, University of Idaho, Pocatello, Idaho.

PURYEAR, VERNON J., Ph.D. PROFESSOR OF SOCIAL SCIENCE

A.B., Baylor University; M.A., University of Missouri; Student, Harvard University; research in England and France; Ph.D., University of California. Instructor, University of Missouri; Teaching Fellow, University of California; European Research Fellow of the Social Science Research Council; Summer Session faculty, University of Oregon, Miami University; Professor of History and Political Science, Albany College. Author: England, Russia, and the Straits Question, 1844-56 (awarded Herbert Baxter Adams prize of the American Historical Association for 1931); International Economics and Diplomacy in the Near East; and research articles in European diplomatic and commercial history.

SCHUSSMAN, LEO GEORGE, M.A. PROFESSOR OF EDUCATION AND PSYCHOLOGY

Graduate of Oshkosh Normal School; Ph.B., University of Chicago; M.A., University of Wisconsin; additional graduate study,

Stanford University, University of Wisconsin. Elementary and high school teacher; Elementary school principal; Superintendent of Schools; Principal, Outagamie County Normal School, Wisconsin; Director of Summer Session, Humboldt State Teachers College, 1925; Summer Session Faculty, Fresno State Teachers College.

SHOLTY, MYRTLE, M.A. PROFESSOR OF EDUCATION AND PSYCHOLOGY

Ph.B., University of Chicago; M.A., Teachers College, Columbia University; additional graduate study, Columbia University, Ohio State University. Elementary school teacher, Wabash, Indiana; Primary Critic, State Normal School, Stevens Point, Wisconsin; Primary Critic, State Teachers College, Moorhead, Minnesota; Sixth Grade Critic, School of Education, University of Chicago; Primary Supervisor and Extension Worker, State Normal School, Ellensburg, Washington; Primary Supervisor, Boise, Idaho; Elementary Supervisor, Spokane, Washington; Upper Grade Supervisor, State Teachers College, Santa Barbara, California. Author: *The Teaching of Beginning Reading*, *Course of Study in Reading*.

STRUVE, LOUISE C., M.A.

DEAN OF WOMEN AND ASSOCIATE PROFESSOR OF HOME ECONOMICS

A.B., Mills College; M.A., Teachers College, Columbia University; additional graduate study, Oregon State College, Pratt Institute; Dietitians' Course. Fifth Avenue Hospital, New York City. Assistant Professor of Clothing, Oregon State College.
(On leave of absence 1936-37.)

TELONICHER, FRED, A.B.

ASSISTANT PROFESSOR OF PHYSICAL EDUCATION

A.B., Fresno State Teachers College; Graduate study, Stanford University.

WILSON, BERT F., M.A.

PROFESSOR OF COMMERCE

M. Accts., B.S., B.D., Western Normal College (Iowa); M.A., Stanford University; graduate study, Universities of California and Washington. Principal, Shenandoah Commercial Institute, Shenandoah, Iowa; ten years an Iowa banker.

WILSON, GARFF BELL, M.A.

ASSOCIATE PROFESSOR OF SPEECH

A.B., M.A., University of California; travel and study in Europe; member of International Speaking Tour of the English Universities, 1930; student and actor at the Pasadena Community Playhouse, summers of 1934 and 1935. Private class in Public Speaking and Dramatics, Los Angeles; Teaching Fellow, Department of English, University of California; Production Manager, Greek Theater Plays, University of California.

WOODCOCK, JESSIE TURNER

FINANCIAL SECRETARY

Graduate Humboldt State Teachers College. Postal clerk; book-keeper.

Part-Time Instructors

ANDERSON, LLOYD, A.B.

INSTRUCTOR IN BAND AND ORCHESTRA INSTRUMENTS

Special music study, St. Olaf College, Minnesota; A.B., State College of Washington; graduate study in Music and Speech, State College of Washington.

GIDDINGS, FRANCES, M.A.

LECTURER IN EDUCATION

A.B., M.A. and Professional Diploma in Supervision of Kindergarten and Elementary Grades, University of California. Teacher and Supervisor of Kindergarten-Elementary Grades; Kindergarten-Primary Supervisor of Training and Instructor in Education, University of California at Los Angeles; Instructor in following summer sessions: Northern Arizona State Teachers College, University of

Nevada, University of Iowa, Milwaukee State Teachers College; Rural Supervisor of Mendocino County; Vice-Principal and Supervisor of Fort Bragg Union District Schools.

GILLESPIE, DORIS KILDALE **LECTURER IN BIOLOGICAL SCIENCE**

A.B., M.A., Ph.D., Stanford University. Teaching Assistant, Botany and Biology, Stanford University; Instructor in Science, Humboldt State Teachers College; Research, Gray Herbarium, Harvard University; Assistant Professor of Science, Arizona State Teachers College, Tempe, Arizona.

JENKINS, HARRY L., M.D. **COLLEGE PHYSICIAN**

A.B., University of California; M.D., University of California. Practicing physician in Humboldt County.

LEONARD, FREDERICK R. **LECTURER IN EDUCATION**

A.B., Park College, Missouri; M.A., University of Missouri; additional graduate study, Stanford University. Assistant in Chemistry, Park College; Principal, Carl Junction High School, Missouri; Superintendent of Schools, Amity and Braymer, Missouri; Rural Supervisor of Schools, Mendocino County.

MILLER, MRS. MAURINE **INSTRUCTOR IN VIOLIN**

Studied violin from K. C. Conservatory, Edith Lane Brown, Antonio de Grassi, and Mishel Piastro. Violin instructor in private classes, 1922-1935.

NICHOLLS, WILLIAM CHARLES **INSTRUCTOR IN PIANO**

Graduate Sherwood School of Music; studied piano and harmony under William Sherwood, Maurice Driver, Robert Tolmie, and William McCoy; master classes under Guy Maier, Leopold Godowsky, and Alfred Mirovitch. Teacher of private classes in piano and theory and of normal classes for piano teachers; Director of Oakland Conservatory of Music, Oakland, California.

STROMBERG, NOAH A., D.D.S. **COLLEGE DENTIST**

D.D.S., College of Physicians and Surgeons, San Francisco, California. Practicing dentist in Arcata.

TAYLOR, JOHN W., A.B. **LECTURER IN EDUCATION**

A.B., University of California; graduate work, Stanford University. Assistant Instructor in Public Speaking, Stanford University; County Superintendent of Schools, Mendocino County.

FACULTY COMMITTEES—1936-1937**Advanced Standing**

President Gist
Mr. Hicklin
Miss Platt

Assembly

President Gist
President Student Body
Mrs. Hadley
Mr. Jeffers
Mr. Garff Wilson

Curriculum

President Gist
Chr., Educ. Group
Head of Department concerned

Honor Awards

Mrs. Folsom
President Gist
Dr. Puryear

Placement

President Gist
Mr. Schussman

Recreation and Social Life

(Faculty)
Miss Bestor
Mrs. Little
Miss Struve
Mr. Telonicher
Mrs. Woodcock

Registration

President Gist
Mr. Hicklin
Miss Platt

Scholarship

Dr. Balabanis
President Gist
Miss Johnson
Mr. MacGinitie
Miss Platt

Student Affairs

Dr. Balabanis
Miss Craig
Miss Struve
Two Students

Student Loans

Mr. Arnold
Mr. Poultney
Miss Sholty
Mr. Bert Wilson

GENERAL INFORMATION

The chief purposes of Humboldt State College are as follows:

1. To train teachers and administrators for the kindergarten, elementary, and junior high school grades.
2. To offer four of the five years of college work required for high school teaching.
3. To give four years of cultural liberal arts work for those desiring the A.B. degree.
4. To give the preliminary years of liberal arts college work now demanded of students before they can take the specialized training offered by universities for many of the professions such as agriculture, dentistry, engineering, forestry, law, medicine, nursing, and pharmacy.
5. To give lower division work in liberal arts and commerce for students who plan to major in either of these fields at some other college or university.
6. To give the first two years for the A.B. degree in music.
7. To give certain terminal courses for students who desire one or two years of college work in certain fields before entering business.

The College offers the following curricula:

- I. Professional Courses
 - A. Elementary Credential Course
 - B. Junior High School Credential Course
 - C. Kindergarten-Primary Credential Course
 - D. Physical Education Credential Course
 - E. Combinations
 1. Elementary and Junior High School
 2. Elementary-Kindergarten-Primary
 3. Elementary-Physical Education
 4. Junior High School-Physical Education
- II. Liberal Arts Degrees (A.B.) in
 - A. Allied Arts
 - B. Biological Science
 - C. English
 - D. Social Science

III. Pre-Professional Courses

- A. Agriculture
- B. Dentistry
- C. Engineering
- D. Forestry
- E. Law
- F. Medicine
- G. Music
- H. Nursing
- I. Pharmacy

IV. Lower Division Liberal Arts and Commerce Courses

V. Commercial Courses

VI. Some General Culture and Citizenship Courses. Such courses can be made up to suit the individual wishes of students.

ADMISSION REQUIREMENTS

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's or quarter's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students, but such persons may be granted full matriculation only upon the removal of all deficiencies and upon the completion of one full semester's or quarter's satisfactory college work in the chosen curriculum.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking

such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with state board of education regulations.

Admission With Advanced Standing

From Other Colleges. Credits earned in accredited colleges shall be evaluated by the State College to which admission is sought and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements shall be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State College authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges shall be evaluated by the State College to which admission is sought in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

Matriculation in Other Institutions

Courses taken at Humboldt are evaluated credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his

choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our presecondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the general secondary credential which will authorize them to teach in the high schools of California.

The University of California Graduate Division finds that it is rarely if ever possible for a graduate with the A.B. degree from any institution to receive the high school credential and also the master's degree in one year.

GENERAL REGULATIONS FOR STUDENTS**Registration**

In order to have plenty of time to discuss with each student his special needs and to insure guidance by those qualified, whenever possible the College registers each student several weeks in advance under a faculty adviser who is especially qualified to confer with students regarding their course of study.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the term.

Students will meet at the College on the appointed days to complete formal registration and to pay all fees. Students registering after the appointed date are required to pay a late registration fee of \$2.

No student will be admitted after the second week of the semester except upon petition to the faculty through the Scholarship Committee.

Changes in registration made subsequent to the regular day of registration must be approved by the faculty adviser and the faculty members concerned.

English A

An examination in English fundamentals, known as the "English A" examination is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in "English A" in some other college are required to take this examination; those who fail will be enrolled in the non-credit course in "English A."

College Aptitude Test

All new students are required to take the college aptitude test, notice for which will be given early in the semester.

Health Service and Examination

In order to safeguard the health of the students the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At least three medical examinations are given each student, as follows:

- (1) At entrance (including a dental examination).
- (2) Prior to teacher-training work.
- (3) Before graduation.

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is being provided at special rates.

Physical Education

Every student carrying 12 or more units is required to take physical education unless excused by the Director of Health and Physical Education.

Orientation

An orientation course, meeting one hour a week, is required of all freshman students. This course provides an opportunity for analysis and discussion of college problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, and matriculation in other institutions, and also for planning and conducting group activities for recreation and self-improvement.

Student Programs

Semester Unit

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation per week for eighteen weeks with two hours of preparation for each recitation. It may be administered as three recitations per week for eighteen weeks without outside preparation.

Normal Program

Fifteen or sixteen units of work in addition to a half unit activity in physical education constitute an average program for a semester. According to the definition of semester unit given above this means forty-eight hours of actual work each week.

Variation from the normal program may be permitted by the student's adviser, such permission to be based on the demonstrated ability of the student, measured in terms of his "index of scholarship." The following chart is used as the basis for granting petitions for programs which vary from the normal program:

<i>Index of scholarship</i>	<i>Student load for following semester</i>
2.25-3.00-----	19½ units
1.75-2.24-----	18½ units
1.25-1.74-----	17½ units

The adviser secures a health statement from the Health Department for all students who apply for more than 16½ units of work.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

A student registered for six or more units is classified as a regular student.

Scholarship Index

The Scholarship Index is the honor-point average and gives the average scholarship of the student. It is derived by dividing the total number of honor points earned by the total number of registered units.

Course Numbers

Lower Division

Lower division courses are introductory and survey courses which compose the first and second years of the curriculum. They are numbered from 1 to 99, inclusive.

Upper Division

Upper division courses are advanced courses in a department of instruction that has been pursued in the lower division; or they may be advanced work of such difficulty as to require the maturity of upper division students. They are numbered 100 or above.

The general prerequisite for all upper division courses is sixty semester units.

Classification of Students

Students having less than 30 semester units of credit are classified as freshmen. Those having from 30 to 59 semester units are classified as sophomores; those having from 60 to 89 units are classified as juniors; and those having 90 or more are classified as seniors.

Marking System

Grades

A five-point marking system is used, A, B, C, or D, indicating a passing grade, and F meaning failure. Plus (+) as given in certain courses, means "passed" without definite grade except in physical education where it means C or better. "Cond.," means conditioned; "inc.," incomplete; "W.," withdrawn.

Of the passing grades D may be interpreted as "passing work"; C, "good work"; B, "excellent work"; A, "superior work."

Conditioned work may be made up by passing a sequence course during the following semester or by passing a special examination not later than the sixth week of the following semester. When conditioned work is made up the grade becomes a D; otherwise it automatically becomes F.

All incomplete courses must be made up within one calendar year.

Honor Points

The passing grades carry the following honor points: A, 3 honor points per semester unit; B, 2 points per unit; C, 1 point per unit; D, no honor points; +, 1 point per unit; F, — 1 point per unit.

Reports

At the end of the semester reports are given to the students, the regular marking system being used.

Midsemester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President. Students having special difficulties in certain subjects are periodically interviewed by the President.

Scholarship Regulations

Graduation Requirements

The degree of Bachelor of Arts is granted upon completion of a curriculum approved by the college; 124 semester units, including 24 semester units completed in residence, are minimum requirements.

A general scholarship average of "C" is required for graduation from any curriculum of the College.

A general scholarship average of "C," together with an average of "C" in both minors is required for graduation from the General Junior High School curriculum.

Student Teaching Requirements

The requirements for student teaching are as follows:

1. Scholarship average of "C."
2. Fulfillment of teacher-training requirements in fundamentals.
3. Desirable personal qualities.
4. Physical fitness.

A grade of "C" or better is required in student teaching in every field for which a credential is granted by the College.

Students who do not receive a grade of "C" in student teaching and wish to do more work in this field, will be marked incomplete at the close of their first semester's work.

Students are limited to two semesters' trial for a grade of "C" in student teaching.

NOTE.—The "C" average applies to students enrolling in Teaching I and Curriculum Activities, since it is not good for students to have a lapse between Curriculum Activities, Teaching I, and Teaching II.

Withdrawal from Courses

A student dropping a course with official approval during the first six weeks of any semester will not have that course reported or charged against his record for that semester.

During the second six weeks of any semester, a student may be permitted to drop a course without prejudice to his record in case this is done with the approval of an advisory committee, such approval to be based presumably upon considerations of health, outside work, or other matters for which the student is not held culpable. Otherwise, the dropping of the course during this interval will be recorded as a failure.

During the final six weeks of any semester, the dropping of a course will result in a record of failure or incomplete, depending upon whether the work had been of passing grade up to the time of withdrawal.

Withdrawal From College

Upon petition an honorable dismissal or an indefinite leave-of-absence may be granted to any student in good standing provided arrangements have been made with the faculty adviser and the Recorder.

Students who discontinue their work without formal petition for leave-of-absence do so at the risk of incurring failing marks in their subjects and at the risk of having their registration privileges curtailed or entirely withdrawn.

Probation

Students whose scholarship is low are subject to probation. Scholarship average during the probationary semester must be satisfactory. Each case is considered individually upon its merits.

Disqualification

Students whose scholarship average for any semester falls below a "D" average are subject to disqualification. Students whose personal conduct is unsatisfactory may be disqualified by faculty action at any time.

Disqualified students may apply to the faculty for re-admission after a semester has passed. This application must be accompanied by evidence of serious desire to do better work.

Class Attendance

A student will be permitted to enter upon the study of any subject only when the instructor in charge is satisfied that the student is competent to undertake it. Any member of the faculty may exclude from his course any student who has neglected the work of the course or has been discourteous.

The following attendance regulations were put into effect in the fall semester, 1933:

Regular class attendance is expected of all students. Such attendance affects the quality and quantity of a student's work which in turn determines the grade which the student receives in a course. Instructors and departments are authorized to make any attendance regulations necessary to secure efficient work.

However, entering freshmen and students having a college scholarship average of less than "C" are subject to the following administrative regulations concerning excessive absence without excuse:

(a) If the number of unexcused absences is equal to twice the number of credit units in the course, the grade transmitted by the instructor is automatically reduced to "D" in the Recorder's office.

(b) If the number of unexcused absences is equal to three times the number of credit units in the course, the grade is reduced to "F."

Each hour's absence from laboratory is counted as one-half or one-third value according to the number of laboratory hours required for a unit of credit.

Excused absences shall include absences for the following reasons:

a. Illness of student evidenced by certificate from a physician or from the health office.

b. Illness or death in the family evidenced by a statement from a parent or physician.

c. Weather conditions manifestly unfavorable. Statement filed with President's Secretary, who, under the direction of the President, will pass upon weather conditions.

d. Participation in extra-curricular activities authorized by the instructor in charge of the activity with consent of the President. Statement secured from the instructor in charge of the activity and approval of the President.

e. For outside emergencies which must be approved by the President's Secretary.

Any student, regardless of scholarship status, must have a written statement from the College Physician when absent from a mid-term or final examination.

All excused absences are to be filed with the President's Secretary within 48 hours after return.

Participation in Extra-curricular Activities

Participation in extra-curricular activities conducted by the Humboldt State College is subject to regulation by the department concerned and the administration. Students participating in extra-curricular activities must pay student body dues.

Fundamentals

All students in the teacher-training courses are required to show an everyday working knowledge of the fundamental subjects in the elementary curriculum—English, grammar, arithmetic, history, geography, and spelling. Necessity for doing work in fundamentals will be evidenced by illegible writing, misspelled words, poor sentence structure in written

work in any of the college courses, and by standardized tests and measurements which will be given during the sophomore or junior year to all candidates for student teaching.

Students whose skill in the fundamentals is not satisfactory must bring their work up to standard before they will be permitted to enroll for student teaching. This may be done by independent study or by enrolling in the fundamentals course which gives a thorough review of the required subject matter.

A second examination in the fundamentals may be given to all students before graduation.

STUDENT EXPENSES

Living Arrangements

Living arrangements for all students must be approved by the College administration. A list of approved rooms is provided by the Financial Secretary.

All lower division women students whose homes are outside of Arcata and Eureka are required to live at Sunset Hall, the dormitory, unless special arrangements have been made with the Dean of Women by the parents. It is advisable for upper division women also to reside at Sunset Hall. A few men students are housed in a separate unit of the dormitory.

Sunset Hall is in charge of the Dean of Women under the direction of the President. A most wholesome family spirit prevails. This hall is provided with a pleasant living room which is the center for many pleasant social gatherings. Improvements each year are making the dormitory more comfortable and more attractive.

Rooms at Sunset Hall are rented for the semester at the rate of \$5 a month when two occupy the same room. Single rooms are rented at \$10 a month. Students furnish all bedding and linen, including mattress protector and towels. Rooms are rented for the entire semester. Any student who finds it necessary to leave the dormitory during the semester should first consult the Dean of Women and then submit two weeks' notice to the Financial Secretary.

It is important that the College have correct local addresses for all students. These addresses are kept in the office of the Secretary of the President and also in the office of the Recorder.

The College Commons is under the supervision of a trained director. Board, including three meals, is \$25 per month or at the rate of fifty cents for each dinner and twenty-five cents for breakfast, with a reduction of \$1.00 for each week-end not on the campus. The Commons also furnishes noon lunches, cafeteria style, to day students.

FEES

General

(Required of all students taking 6 or more semester units)

Regular semester registration fee-----	\$6 50
Student Body fee per semester-----	5 00
Physical Education fee per semester-----	1 00
Health fee per semester-----	0 75
Hospitalization fee per semester-----	0 25

Special

Registration fee for students taking less than 6 semester units (per unit)-----	\$2 50
Out of state tuition fee (First semester)-----	75 00
(Subsequent semesters) -----	37 50
Delayed transcript fee-----	1 00
Late registration fee-----	2 00
Diploma fee at graduation-----	2 50
State credential fee-----	3 00
Appointment Service fee (for 5 sets of recommendations) -----	1 00
(Additional sets each)-----	0 20
Additional transcripts, each-----	1 00
College Aptitude Test-----	0 25
If not taken at scheduled time-----	1 00
Fundamentals Test -----	0 25
If not taken at scheduled time-----	1 00
Special Examinations—Mid-term -----	0 50
Final -----	1 00

Course Fees

A Cappella Choir-----	\$0 75
Applied Design -----	1 00
Art Appreciation -----	0 75
Art Structure -----	1 50

Biology fee per semester	\$1 00
Botany fee per semester	0 75
Chemistry fee per semester	5 00
(\$2.50 for breakage, returnable.)	
Clothing	1 00
Dramatics	0 75
Elementary Crafts	1 75
General Psychology	0 50
Geology	0 50
Glee Club	0 75
Graphic Expression	1 25
Hostess Course	2 00
Lettering and Design	2 25
Metal Crafts	0 50
Orchestra	0 75
Ornithology	1 00
Photography	2 00
Physics fee per semester	2 50
Piano—lesson each	2 50
Pottery fee per semester (2 unit course)	2 50
Practicum in Art	1 25
Violin—lesson, each	1 25
Voice—lesson, each	1 50
Woodworking fee per semester	0 50
Zoology fee per semester	1 00

Summer Session

Summer Session registration fee (six weeks)	\$20 00
Registration fee for terms of 3 weeks or less (per week)	5 00
Late registration fee	2 00
Summer Session lecture and recreation fund	0 50
Health and Physical Education fee	0 50

Refunds

State Fees

Regulations formulated by the state.

"Fees shall only be returnable when the student has been refused admission to classes after registration or when through unavoidable circumstances, the student is unable to commence college work. In the latter case the student desiring return of a fee shall make application in writing giving his or her

reasons for withdrawal. The return of any fee must be recommended by the College President or his designated representative and only after consideration of the individual case upon its merits.

Before returning fees, each state college shall submit a list of these fees recommended to be returnable to students, together with a brief explanation, to the Director of Education for his authorization and the approval of the Director of Finance."

Application for refund of state fees must be made at the time of withdrawal.

Student Body Fees

These fees are not refunded if a student has participated in any student body activity.

Course Fees

As course fees are not collected until the end of the sixth week, when the student has completed all of his possible changes in registration, there will be no refund of such fees.

STUDENT SELF HELP

Opportunities for part-time employment are often available for needy and deserving students. The College employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial, and clerical work. Application for employment should be made to the Financial Secretary before registration.

STUDENT LOAN FUND

General Student Loan Fund

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be

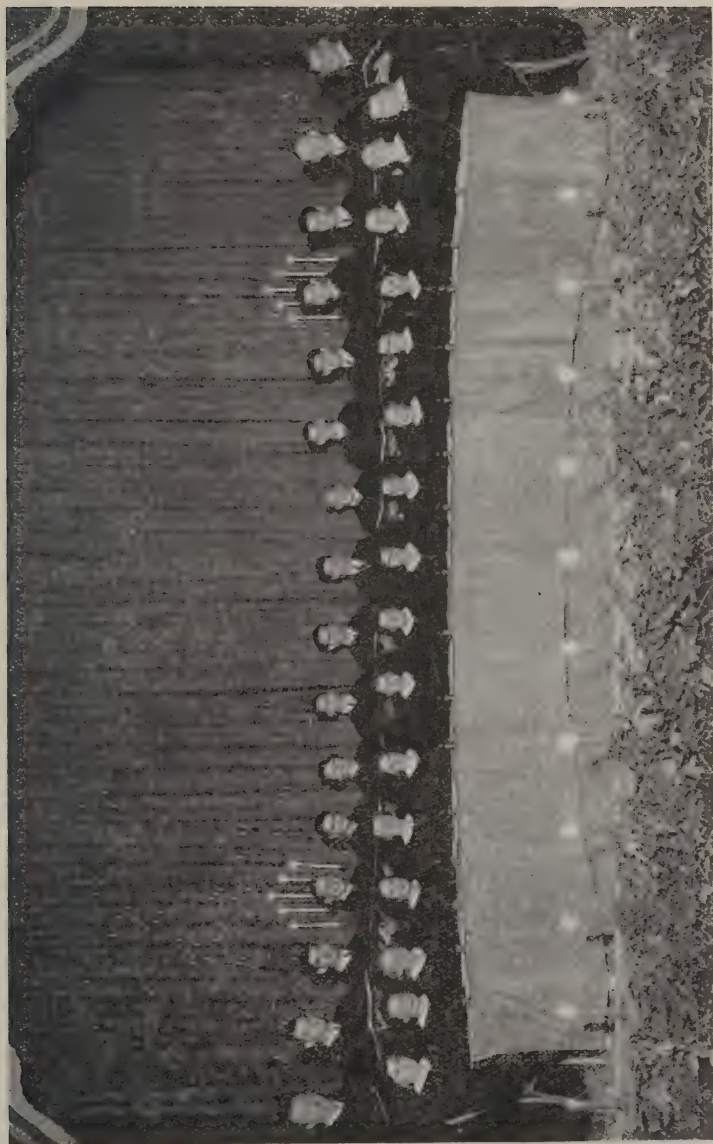
secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student must file his application ten days prior to registration.

The Rotary Club of Arcata has a loan fund available for worthy students upon recommendation of President Gist.

It is advisable for each student to have some funds when he enters college. Unless he has funds for his fees and books or can take up a loan for such expenses early in the semester, he is seriously handicapped financially.

BOOKSTORE

For the convenience of the students, a bookstore is maintained, where college textbooks and supplies may be secured.



HUMBOLDT STATE COLLEGE A CAPPELLA CHOIR

CAMPUS LIFE

HISTORICAL NOTE

The Humboldt State Normal School was created by an Act of the 1913 session of the Legislature of California. Actual work began on April 6, 1914. Under an agreement between the Arcata City Board of Education and the normal school authorities the first sessions were held in the Arcata Grammar School.

A magnificent site of fifty-one acres was donated to the school by W. A. Preston and the Union Water Company. The officers of the latter were N. H. Falk, Len Yocum, Mrs. Arthur Way, and Mrs. Kate Harpst. The 1917 Legislature appropriated \$245,000 for permanent buildings which have been occupied since February, 1922. In 1930 a new gymnasium was added and recently four new modern tennis courts and a new College Elementary School have been built.

The professional course in teacher training was originally two years in length. Gradually it has been extended and combined with liberal arts and cultural subjects until the minimum time to be spent for any teacher's diploma granted at present is four years.

Control of the institution was first vested in a board of local trustees appointed by the Governor. In 1921 it was transferred to the State Department of Education and placed in the hands of the Director of Education and the State Board of Education. The same Legislature changed all of the California Normal Schools to Teachers Colleges. The State Board of Education received the power to authorize them to give four-year courses leading to the Bachelor of Arts degree.

In 1935 the Legislature changed the name to Humboldt State College with authorization to grant the Bachelor of Arts Degree in Letters and Science.

The enrollment for the last seven years has shown a steady and substantial increase, starting with 123 students in 1922 and reaching a present enrollment of over 400.

LOCATION

The college is located in the city of Arcata on the north shore of Humboldt Bay. It occupies a dominating position on the top of a hill within twelve blocks of the Plaza, the

center of the city. Backed by still higher forested hills, it commands an almost unrestricted view in three directions. Toward the north, and to the ocean, one looks across the Arcata bottom lands, a rich dairying district, bordered with partly wooded sand dunes. To the west and south, the city of Arcata lies in the foreground, with a stretch of farming land and marsh-land beyond. Beautiful Humboldt Bay comes next in line of vision, separated by a narrow peninsula from the ocean. The city of Samoa on the farther end of the peninsula and Eureka on the opposite side of the bay are in plain sight. The wooded hills beyond are dominated by the high point of Wild Cat Ridge, a rough mountain range separating the valley of the Eel River from the ocean. There is a never-ending variety to this view in the rapidly changing atmospheric conditions. At night-time, with the lights of Arcata in the foreground and those of Samoa and Eureka twinkling in the distance, the picture is especially entrancing.

The cities of Arcata and Eureka are delightful places of residence. Arcata has a population of approximately three thousand and possesses several thriving churches, excellent schools, a free library, a natural park, and a very attractive plaza, a first-class hotel, a fine theater, well-furnished stores—in fact, all that goes to make up a modern up-to-date city. Cape Mendocino, a few miles south of Eureka, is the westernmost point of the mainland of California, and Humboldt has the distinction of being the farthest-west college in the United States.

CAMPUS

There is an extensive lawn, planted with shrubs and small trees, along the whole front of the administration building. Directly across the street from the administration building are four new modern tennis courts for the use of students and faculty. In the rear is an athletic field adjoining the new \$70,000 gymnasium. Back of that, the College owns a considerable piece of second-growth redwood forest, which is being developed by means of trails and clearings into an attractive recreation area.

The Library

The library is located in a suite of rooms on the south side of the inner court. The book collections are arranged on open shelves around the walls of this room and at present

contain approximately fifteen thousand volumes. The collection is well distributed among the various classes of books, with provision for a liberal amount of cultural reading.

To supplement its own collection, the library has an arrangement with the California State Library by which books are borrowed from that institution. The library at present subscribes for ninety magazines, about half of which are scientific or technical and the others of a general nature.

The College Elementary School

Student teaching is conducted in the college elementary school on the campus and also in the city schools through the cooperation of the Arcata and Eureka school authorities.

The new College Elementary School building houses a kindergarten and an elementary school. It is a commodious building of steel and concrete. In its construction no pains have been spared to make it sanitary, fireproof, and in every possible way an ideal building for a completely graded training school from the kindergarten through the eighth grade.

RECREATION

The constantly shifting hills of sand which form dunes along the ocean shore extend from North Jetty of the harbor entrance of Humboldt Bay to the mouth of Little River. North of Little River the coastline becomes very rugged and the numerous caves, points, and reefs invite personal exploration. The lighthouse at Trinidad Head and the Blowhole, three miles south of Trinidad, are always interesting places to visit.

An hour's drive northward along the Redwood Highway brings the student to Big Lagoon, a salt-water lake. This lagoon, protected from the strong breakers, forms a safe swimming and boating resort.

A pool on Mad River, a few minutes drive from the campus, is very popular on warm afternoons. Swimming can also be enjoyed at many pools along the Eel River south of Eureka.

Near Arcata are several public and private golf courses where special inducements are made to students.

North Dyerville Flat includes within its borders the tallest tree within the United States. This giant redwood towers some 364 feet above the ground. There are other groves of redwoods along the river which are delightful spots for outings.

STUDENT LIFE

Student Body Government

When a student enters the College, the authorities take it for granted that he has an earnest purpose, studious habits, and is willing to observe a proper standard of personal conduct.

In order to further such aims and to promote wholesome activities, the students are organized into a self-governing body called the Student Service Association.

Through the vested authority of self-government with its attendant responsibility, the students of the College are enabled to gain the practical appreciation of governmental authority as vested in the people, and also the civic understanding which can not help but make them better citizens and community leaders after they leave college to take their place in life. The faculty retains the authority and oversight over certain matters such as Student Body finances and external relations necessitated by sound administrative jurisdiction and general responsibility as provided by law and the best interests of the students.

Board of Control of Student Body

The Board of Control is the student government agency consisting of five members elected every semester by the Student Body, and charged with the responsibility of maintaining high standards of conduct in the College.

Executive Committee of Student Body

The Executive Committee consists of the President, Vice-President, Secretary, Treasurer, and Publicity Manager of the Student Body, the members of the Board of Control, and the President of the College or a faculty sponsor appointed by the President. The duties of this committee are to have charge of school elections, to adjust budgets, to pass on all bills and to see that they are paid, to authorize purchases, to take an inventory of all Student Body property at the end of the school year, to set the amount of dues, and to look after all Student Body affairs not specifically covered by the Constitution and By-laws.

To assist in developing good habits and thus inculcating the spirit of self-control and self-initiative, the students under the sponsorship of the faculty have established several honor and recreational organizations. Most of these organizations are coordinated through the Student Service Association. Following is a list of such organizations:

- Alpha Psi Omega (National Dramatics Fraternity)—Sponsor, Mr. Garff Wilson
- Chi Sigma Epsilon (The Scholastic Honor Society)—Sponsor, Mr. Howe
- College Civic Club—Sponsor, Mr. Schussman
- Dramatic Workshop—Sponsor, Mr. Garff Wilson
- Humboldt Science Club—Sponsor, Mr. Howe
- Kindergarten-Primary Club—Sponsor, Miss Bestor
- Lambda Theta Chi (Men's Social Fraternity)—Sponsor, Mr. Garff Wilson
- Men's Association—Sponsor, Mr. Telonicher
- Musical Organizations—Sponsor, Mr. Jeffers
- Pi Alpha Pi (For Social Science Majors)—Sponsor, Vice-President Balabanis
- Rousers (Sophomore Honor Society)—Sponsor, Mr. Howe
- Student Service Association—Sponsor, Vice-President Balabanis
- Student Teachers' Club—Sponsors, College Elementary School Staff
- Women's Athletic Association—Sponsor, Miss Craig
- Y. M. C. A. and Y. W. C. A.—Sponsors, Mr. Howe and Miss Struve.

ATHLETICS

Believing that certain mixed activities promote desirable social relationships between men and women, the College has developed a program of mixed intramural sports in volleyball, tennis, archery, badminton, and golf.

All students participating in athletics are required to pass a satisfactory health examination each season.

Men's Athletics

Men students play a regular schedule of games in football, basketball, tennis, and baseball with colleges and other organizations in California and Oregon. Such intercollegiate competition supplements intramural and interclass competition in which practically all the men students take part.

COUNSELING AGENCIES

The College has a definite program of counseling and guidance for entering freshmen. Special counseling will be given individually to the freshmen at the time of registration and periodically during the year by the President and faculty advisers.

Sponsors from upper classmen are assigned to assist new students in becoming acquainted with members of the Student Body and various details of college life.

A faculty member is appointed as adviser for the class.

SOCIAL LIFE

The social life of the College is sponsored by the different student body organizations and by the faculty.

A small college offers to each student many opportunities for friendships and social activities. Among these are monthly, and occasional noon-hour, dances. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. Informal functions are frequently held for and by the students who reside in Sunset Hall.

To further student-faculty relationships all freshman women are entertained at a tea by their various instructors and advisers during the early part of the college year. Senior women are entertained in the spring at a tea given by President and Mrs. Gist.

In order that the students may early in their college careers become better acquainted with President and Mrs. Gist and with each other, every freshman is entertained sometime during the year by President and Mrs. Gist. These functions are generally held in the President's home.

STUDENT HONORS

Honors are awarded to students whose scholarship is exceptional. Honors are awarded by students, by faculty, and by civic organizations.

Honors Awarded by Faculty

Semester Honors will be awarded to all regular students who receive "A" and "B" grades in all subjects of one or more credit units taken during the semester and who have satisfactorily completed other requirements.

Class Honors are awarded to students who received semester honors during the year.

Graduation Honors are awarded to students at Commencement upon the vote of the faculty. These honors are based on the scholastic index as follows:

Index 2.00—With Honor

Index 2.35—With High Honor

Index 2.75—With Highest Honor

The President's Cup

To stimulate student teaching and as a recognition of meritorious service, the President's Cup has been provided. The student doing the highest type of teaching in the College Elementary School each semester has his name engraved upon this cup.

The details of awarding this honor are administered by the faculty of the College Elementary School.

English Award

President and Mrs. Gist have provided an annual award of \$10 to be given to the student who shows special ability in the field of written expression. The details of selecting the student for the award are in the hands of the English Department.

Honors Awarded by Students

Chi Sigma Epsilon

Chi Sigma Epsilon, the college honor society, elects members from the upper classes twice during each college year. The membership may never exceed a small percentage of the Student Body. The student does not seek election but rather the society selects members from those students who have high scholastic attainments, qualities of leadership, and high ideals of character. Chi Sigma Epsilon Pledging Day honors those students elected to membership.

Rousers

Sophomore honor society composed of eight members selected each spring from the freshman class by active members of Chi Sigma Epsilon. High scholarship, fine qualities of character, achievement in studies and responsibilities

assumed, and ability in adjusting their life to the new social order of college life are the criteria used in the selection of new members each year.

Chi Sigma Epsilon Medal

To the member of the freshman class who has entered into student activities, has maintained a high scholarship, has demonstrated good character, and who, in the opinion of active members of Chi Sigma Epsilon, has made the greatest advance toward fine manhood or womanhood during the first year of college, Chi Sigma Epsilon awards a medal each spring. The medalist for 1931-32 was Mary Jean Russell; for 1932-33, Marseille Hedvig Spetz; for 1933-34, Joseph Francis Walsh; and for 1934-35, Richard Howard Albert.

Honors Awarded by Civic Organizations

Prize Awarded by Kiwanis Club

A prize of \$10 is awarded by the Kiwanis Club of Arcata to the Arcata High School graduate who has made the highest scholastic average during the freshman year at the Humboldt State College.

Music Scholarships

The Humboldt County Federation of Women's Clubs has donated to the College two scholarships in applied music. These scholarships entitle the holder to a year's study in applied music.

COMMUNITY RELATIONS

PLACEMENT SERVICE

A Placement Bureau is maintained to perform a double service: to help Humboldt graduates, both those newly graduating and those teaching in the field, obtain the best positions for which they are prepared and to recommend to school officials our best candidates when requests are received to fill teaching positions. The bureau collects data touching on the general moral character and sense of responsibility of the student, his success in his college classes and in student teaching, his college citizenship and leadership in student body activities.

Students desiring positions as teachers will find it to their advantage to work through the Placement Bureau. Such students should register with the Director of Placement early in their senior year.

EXTENSION SERVICE

Since the College is a state institution its facilities when not being specifically used for college purposes are open for the use of the citizens of the state. It will particularly welcome conventions, conferences, or assemblies of an educational or cultural nature. The auditorium will seat four hundred.

Extension Courses

Extension courses will be conducted at the College evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI

The first Annual Home Coming of Humboldt graduates was held in Arcata in September, 1924. Meetings are held several times a year—among these are the meetings held at the time of the May graduation, during the convention of the North Coast Section of the California Teachers Association, and during the summer session.

The Alumni Association has among its aims the assistance of the College in its administrative problems and the guidance and the counsel of recent graduates.

The following are the officers for the current year: President, George R. Monroe; vice president, Ethel Pedrazzini; secretary, Helen R. Thomas; treasurer, Hugh B. Stewart; editor, Mary Nielsen.

CURRICULA

THE A.B. DEGREE WITH MAJOR IN GENERAL ELEMENTARY EDUCATION

The regular four-year elementary teachers degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College, requires for graduation 124 semester units. This course will be required of all candidates for an elementary teaching credential. Those taking this credential will receive preference in recommendations for all grades of the elementary school and for village and rural positions.

Subject Requirements—Lower Division

ART

	Units
Art Structure -----	2
	2

ENGLISH AND LITERATURE

English 1A -----	3
English 1B -----	3
	6

FUNDAMENTALS*

Arithmetic Reasoning and Comprehension -----	0
History and Civics -----	0
Language Usage -----	0
Spelling A -----	0

INDUSTRIAL EDUCATION

Fundamentals of Industrial Education -----	3
	3

MATHEMATICS

Mathematics of the Elementary School -----	3
	3

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

MUSIC

Units

Music Reading—Piano	1
Ear Training and Sight Singing	2
	3

PHYSICAL EDUCATION

Hygiene	2
Activities for Adults, one-half unit each semester	2
	4

PSYCHOLOGY

General Psychology	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Introduction to Modern Physics	3
Classification of Flowering Plants	3
A year course chosen from the following:	
Biol. 1A-1B; Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and Phy-	
siol. 1	8
	14

SOCIAL SCIENCE

History 4A and 4B	6
Cultural and Regional Geography	3
Economics 1A	3
Economic and Social History of the United States	3
	15

SPEECH

Public Speaking 1A	3
	3

Subject Requirements—Upper Division

	Units
ART	
Practicum in Art	2
	—
	2
EDUCATION	
Children's Literature	3
Curriculum Activities	3
Educational Psychology	3
Growth and Development	3
Introduction to Education	3
Philosophy of Education	3
Rural Education	2
Teaching I	2
Teaching II	8
	—
	30
MUSIC	
Practicum in Music	2
	—
	2
PHYSICAL EDUCATION	
Activities for Adults, one-half unit each semester	1
Singing Games and Folk Dances	½
Health Education	2
Practicum in Physical Education	1½
	—
	5
SCIENCE, BIOLOGICAL	
Vertebrate Zoology	3
	—
	3
SOCIAL SCIENCE	
American Government	3
	—
	3

MINORS

The candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	Music
Economics	Physical Education
English	Social Science
History	Speech

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

. Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE (Elementary Education)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
English 1A-----	3	English 1B-----	3
History 4A-----	3	History 4B-----	3
Biological Science-----	3 or 4	Biological Science-----	3 or 4
Public Speaking 1A-----	3	Art Structure-----	2
Hygiene-----	2	Sight Singing-----	2
Music Reading-Piano-----	1	Elective or Minor-----	2 or 3
Physical Activities-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Mathematics 20-----	3	General Psychology-----	3
Economics 1A-----	3	Econ. and Soc. Hist. of U. S.-----	3
Physics 10-----	3	Class. of Flowering Plants-----	3
Industrial Education-----	3	Geography 2-----	3
Elective or Minor-----	3	Elective or Minor-----	3
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$

JUNIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Educational Psychology--	3	Vertebrate Zoology-----	3
Intro. to Educ.-----	3	Curriculum Activities-----	3
Children's Literature-----	3	Teaching I-----	2
Rural Education-----	2	Practicum in Art-----	2
Elective-----	3	Practicum in Music-----	2
Singing Games and Folk Dances-----	$\frac{1}{2}$	Practicum in Physical Education-----	1 $\frac{1}{2}$
		Elective or Minor-----	3

SENIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Teaching II-----	8	Growth and Development--	3
American Government-----	3	Philosophy of Education--	3
Elective or Minor-----	3	Health Education-----	3
Physical Education-----	$\frac{1}{2}$	Elective or Minor-----	6
		Physical Education-----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL JUNIOR HIGH SCHOOL

(Effective after July 1, 1936)

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College for the General Junior High School Credential requires for graduation the following courses. This credential authorizes the student to teach any or all subjects in the seventh, eighth, and ninth grades of any elementary or secondary school in the state.

Subject Requirements—Lower Division

ART		Units
Art Structure		2
		—
		2
ENGLISH AND LITERATURE		
English 1A		3
English 1B		3
		—
		6
FUNDAMENTALS *		
Arithmetic Reasoning and Comprehension.....		0
History and Civics.....		0
Language Usage		0
Spelling A		0
INDUSTRIAL EDUCATION		
Fundamentals of Industrial Education.....		3
		—
		3
MATHEMATICS		
Mathematics of the Elementary School.....		3
		—
		3
MUSIC		
Music Reading—Piano		1
Ear Training and Sight Singing.....		2
		—
		3

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

PHYSICAL EDUCATION

Units

Hygiene -----	2
Activities for Adults, one-half unit each semester-----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Introduction to Modern Physics-----	3
Classification of Flowering Plants-----	3
A year course chosen from the following:	
Biol. 1A-1B; Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and Physiol. 1	8
	14

SOCIAL SCIENCE

History 4A and 4B-----	6
Cultural and Regional Geography-----	3
Economics 1A -----	3
Economic and Social History of the United States-----	3
	15

SPEECH

Public Speaking 1A-----	3
	3

Subject Requirements—Upper Division

ART

Practicum in Art-----	2
	2

EDUCATION

Curriculum Activities—Upper Grades-----	2
Educational Psychology -----	3
Growth and Development-----	3
Introduction to Education-----	3
Philosophy of Education-----	3
Principles of Junior High School Education-----	2
Teaching I -----	2
Teaching II -----	8
	26

MUSIC		Units
Practicum in Music	-----	2
		2

PHYSICAL EDUCATION

Activities for Adults, one-half unit each semester	-----	1
Singing Games and Folk Dances	-----	$\frac{1}{2}$
Health Education	-----	2
Practicum in Physical Education	-----	$1\frac{1}{2}$
		5

SCIENCE, BIOLOGICAL

Vertebrate Zoology	-----	3
		3

SOCIAL SCIENCE

American Government	-----	3
		3

MAJOR

The candidate must complete a major selected from the fields of Biological Science, English, Physical Education, or Social Science.

A major consists of twenty-four semester units at least twelve of which must be in upper division courses.

MINOR

The candidate must complete a minor selected from one of the following fields:

Art	Industrial Education
Biological Science	Music
Economics	Physical Education
English	Social Science
History	Speech

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE

(General Junior High School Education)

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
English 1A	3	English 1B.....	3
Biological Science	4	Biological Science.....	4
History 4A	3	History 4B.....	3
Public Speaking 1A.....	3	Hygiene	2
Art Structure	2	Sight Singing.....	2
Music Reading—Piano.....	1	Elective, Major or Minor..	2 or 3
Physical Activities.....	$\frac{1}{2}$	Physical Education.....	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Physics 10	3	Class. of Flower. Plants..	3
Econ. 1A.....	3	Econ. & Soc. Hist. of U. S.	3
Geography 2.....	3	General Psychology	3
Industrial Education.....	3	Mathematics 20.....	3
Elective, Major or Minor..	3	Elective, Major or Minor..	3
Physical Education.....	$\frac{1}{2}$	Physical Education.....	$\frac{1}{2}$

JUNIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Major	3	Major	3
Educational Psychology ..	3	Vertebrate Zoology.....	3
Intro. to Educ.....	3	Curriculum Activities....	2
Elective or Minor.....	3	Teaching I.....	2
Principles of Junior H. S.		Practicum in Art.....	2
Educ.	2	Practicum in Music.....	2
Singing Games and Folk		Practicum in Phys. Educ..	1 $\frac{1}{2}$
Dances	$\frac{1}{2}$		

SENIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Major	3	Major	3
Teaching II.....	3	Growth and Development..	3
Elective or Minor.....	3	Philosophy of Education..	3
Physical Education.....	$\frac{1}{2}$	Health Education.....	2
		Elective or Minor.....	3
		American Government....	3
		Physical Education.....	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL JUNIOR HIGH SCHOOL AND GENERAL ELEMENTARY EDUCATION

(Effective after July 1, 1936)

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College for the General Junior High School and General Elementary Credential requires for graduation the following courses. This credential authorizes the student to teach in both the elementary grades and the junior high school.

The student will note that this combination credential requires the completion of 12 units additional.

Subject Requirements—Lower Division

	ART	Units
Art Structure		2
		—
		2
	ENGLISH AND LITERATURE	
English 1A		3
English 1B		3
		—
		6
	FUNDAMENTALS *	
Arithmetic Reasoning and Comprehension		0
History and Civics		0
Language Usage		0
Spelling A		0
	INDUSTRIAL EDUCATION	
Fundamentals of Industrial Education		3
		—
		3
	MATHEMATICS	
Mathematics of the Elementary School		3
		—
		3
	MUSIC	
Music Reading—Piano		1
Ear Training and Sight Singing		2
		—
		3

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

PHYSICAL EDUCATION

Units

Hygiene -----	2
Activities for Adults, one-half unit each semester -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Introduction to Modern Physics -----	3
Classification of Flowering Plants -----	3
A year course chosen from the following:	
Biol. 1A-1B; Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and Physiol. 1. -----	8
	14

SOCIAL SCIENCE

History 4A and 4B -----	6
Cultural and Regional Geography -----	3
Economics 1A -----	3
Economic and Social History of the United States -----	3
	15

SPEECH

Public Speaking 1A -----	3
	3

Subject Requirements—Upper Division

ART

Practicum in Art -----	2
	2

EDUCATION

Children's Literature -----	3
Curriculum Activities -----	3
Educational Psychology -----	3
Growth and Development -----	3
Introduction to Education -----	3
Philosophy of Education -----	3
Principles of Junior High School Education -----	2
Rural Education -----	2
Teaching I -----	2
Teaching II -----	8
	32

	MUSIC	Units
Practicum in Music	-----	2
		2

PHYSICAL EDUCATION

Activities for Adults, one-half unit each semester	-----	1
Singing Games and Folk Dances	-----	$\frac{1}{2}$
Health Education	-----	2
Practicum in Physical Education	-----	1 $\frac{1}{2}$
		5

SCIENCE, BIOLOGICAL

Vertebrate Zoology	-----	3
		3

SOCIAL SCIENCE

American Government	-----	3
		3

MAJOR

The candidate must complete a major selected from the fields of Biological Science, English, Physical Education, or Social Science.

A major consists of twenty-four semester units at least twelve of which must be in upper division courses.

MINOR

The candidate must complete a minor selected from one of the following fields:

Art	Industrial Education
Biological Science	Music
Economics	Physical Education
English	Social Science
History	Speech

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE

(General Junior High School and General Elementary Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A -----	3	English 1B -----	3
Biological Science -----	4	Biological Science -----	4
History 4A -----	3	History 4B -----	3
Public Speaking 1A -----	3	Hygiene -----	2
Art Structure -----	2	Sight Singing -----	2
Music Reading—Piano -----	1	Elective, Major or Minor -----	2 or 3
Physical Activities -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

SUMMER SESSION

Industrial Education -----	3	Mathematics 20 -----	3
----------------------------	---	----------------------	---

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physics 10 -----	3	Class. of Flower. Plants -----	3
Econ. 1A -----	3	Econ. & Soc. Hist. of U. S. -----	3
Geography 2 -----	3	General Psychology -----	3
Elective, Major or Minor -----	3	Elective, Major or Minor -----	3
Elective, Major or Minor -----	3	Elective, Major or Minor -----	3
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Educational Psychology -----	3	Vertebrate Zoology -----	3
Intro. to Educ. -----	3	Curriculum Activities -----	3
Children's Literature -----	3	Teaching I -----	2
Rural Education -----	2	Practicum in Art -----	2
Singing Games and Folk Dances -----	$\frac{1}{2}$	Practicum in Music -----	2
		Practicum in Phys. Educ. -----	1 $\frac{1}{2}$

SUMMER SESSION

(May be taken at end of Sophomore year)

American Government -----	2	Principles of Junior H. S. Educ. -----	2
Elective -----	2		

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Teaching II -----	8	Growth and Development -----	3
Elective or Minor -----	3	Philosophy of Education -----	3
Physical Education -----	$\frac{1}{2}$	Health Education -----	2
		Elective or Minor -----	3
		Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL ELEMENTARY AND KINDERGARTEN-PRIMARY EDUCATION

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College, for the General Elementary and Kindergarten-Primary Credentials, requires for graduation the following courses:

Subject Requirements—Lower Division

ART		Units
Art Structure		2
		—
		2
ENGLISH AND LITERATURE		
English 1A		3
English 1B		3
		—
		6
FUNDAMENTALS*		
Arithmetic Reasoning and Comprehension		0
History and Civics		0
Language Usage		0
Spelling A		0
INDUSTRIAL EDUCATION		
Fundamentals of Industrial Education		3
		—
		3
MATHEMATICS		
Mathematics of the Elementary School		3
		—
		3
MUSIC		
Music Reading—Piano		1
Ear Training and Sight Singing		2
		—
		3
PHYSICAL EDUCATION		
Hygiene		2
Activities for Adults, one-half unit each semester		2
		—
		4

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

PSYCHOLOGY

	Units
General Psychology	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Introduction to Modern Physics.....	3
Classification of Flowering Plants.....	3
A year course chosen from the following:	
Biol. 1A-1B; Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and Phy- siol. 1	8
	14

SOCIAL SCIENCE

History 4A and 4B.....	6
Cultural and Regional Geography.....	3
Economics 1A	3
Economic and Social History of the United States.....	3
	15

SPEECH

Public Speaking 1A.....	3
	3

Subject Requirements—Upper Division

ART

Art in the Primary Grades.....	2
Practicum in Art.....	2
	4

EDUCATION

Children's Literature	3
Children's Literature for the Primary Grades.....	2
Curriculum Activities	3
Educational Psychology	3
Growth and Development.....	3
Introduction to Education.....	3
Kindergarten Curriculum	3
Philosophy of Education.....	3
Rural Education	2
Teaching I	2
Teaching II	14
	41

MUSIC		Units
Music in the Primary Grades	-----	2
Practicum in Music	-----	2
		4

PHYSICAL EDUCATION		
Activities for Adults, one-half unit each semester	-----	1
Singing Games and Folk Dances	-----	$\frac{1}{2}$
Health Education	-----	2
Practicum in Physical Education	-----	$1\frac{1}{2}$
		5

SCIENCE, BIOLOGICAL		
Vertebrate Zoology	-----	3
		3

SOCIAL SCIENCE		
American Government	-----	3
		3

MINORS

The candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	Music
Economics	Physical Education
English	Social Science
History	Speech

Recommended minors: English, Science, Music, Art.

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE

(General Elementary and Kindergarten-Primary Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A -----	3	English 1B -----	3
History 4A -----	3	History 4B -----	3
Biological Science -----	4	Biological Science -----	4
Public Speaking 1A -----	3	Art Structure -----	2
Hygiene -----	2	Sight Singing -----	2
Music Reading-Piano -----	1	Elective or Minor -----	2 or 3
Physical Activities -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Mathematics 20 -----	3	General Psychology -----	3
Economics 1A -----	3	Econ. & Soc. Hist. of U. S. -----	3
Physics 10 -----	3	Class. of Flower. Plants -----	3
Industrial Education -----	3	Geography 2 -----	3
Elective or Minor -----	3	Elective or Minor -----	3
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
		*Music Examination	

*SUMMER SESSION (Elsewhere)

	Units
Art in the Primary Grades -----	2
Music in the Primary Grades -----	2
Children's Literature for the Primary Grades -----	2

* Consult Adviser.

JUNIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Educational Psychology---	3	Vertebrate Zoology-----	3
Introduction to Education	3	Curriculum Activities ----	3
Children's Literature-----	3	Teaching I-----	2
Rural Education-----	2	Practicum in Art-----	2
Kindergarten Curriculum--	3	Practicum in Music -----	2
Singing Games and Folk		Practicum in Phys. Educ.-	1½
Dances -----	½	Elective or Minor-----	3

SUMMER SESSION

	Units
Electives or Minors-----	6

SENIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Teaching II -----	8	Growth and Development--	3
American Government----	3	Philosophy of Education--	3
Minor -----	3	Health Education-----	2
Physical Education-----	½	Teaching II-----	6
		Physical Education-----	½

THE A.B. DEGREE WITH MAJORS IN PHYSICAL EDUCATION AND GENERAL ELEMENTARY EDUCATION

(Effective after July 1, 1936)

This combination course gives both the Special Credential in Physical Education and the General Elementary Credential.

(Biological Science Minor)

RECOMMENDED SEQUENCE

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A -----	3	English 1B -----	3
Biological Science -----	4	Physiology -----	4
History 4A -----	3	History 4B -----	3
French or Elective -----	3	Hygiene -----	2
Art Structure -----	2	Public Speaking 1A -----	3
Music Reading—Piano ---	1	Elective -----	1
Physical Activities -----	$\frac{1}{2}$	Phys. Educ. Begin. Nat.	
		Danc. -----	$\frac{1}{2}$
		Physical Education -----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physics 10 -----	3	Class. of Flower. Plants ---	3
Econ. 1A -----	3	Econ. & Soc. Hist. of U. S. 3	
Mathematics 20 -----	3	General Psychology -----	3
Industrial Education -----	3	Geography 2 -----	3
Ear Training and Sight		Coaching B -----	2
Singing -----	2	Elective -----	1
Theory of Rhythms -----		Physical Education -----	$\frac{1}{2}$
(Women) -----	1	Physical Education -----	$\frac{1}{2}$
Phys. Educ. Begin. Clog-			
ging -----	$\frac{1}{2}$		
Physical Education -----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Community Recreation ---	2	Children's Literature -----	3
Principles of Physical		Vertebrate Zoology -----	3
Education -----	3	Curriculum Activities -----	3
Educational Psychology ---	3	Teaching I -----	2
Intro. to Educ. -----	3	Practicum in Art -----	2
Biological Science Minor ---	3	Practicum in Music -----	2
Coaching A -----	2	Practicum in Phys. Educ. ---	$1\frac{1}{2}$
Singing Games and Folk			
Dances -----	$\frac{1}{2}$		

SUMMER SESSION

American Government----	2	Electives -----	4
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SENIOR YEAR

First Semester

Units

Corrective Phys. Ed. and	
Kinesiology -----	4
Teaching II—Elementary—	6
Stud. Teach. Phys. Educ.	
—Elem. -----	2
Rural Education-----	2
Physical Education-----	$\frac{1}{2}$

Second Semester

Units

Stud. Teach. Phys. Educ.—	2
Growth and Develop. of	
Child -----	3
Philosophy of Education--	3
Health Education-----	2
Conference on Secondary	
Physical Education-----	2
Elective -----	3
Physical Education-----	$\frac{1}{2}$
Physical Education-----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN PHYSICAL EDUCATION AND THE SPECIAL CREDENTIAL IN PHYSICAL EDUCATION

Recommended Sequence

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A.....	3	English 1B.....	3
Biological Science.....	4	Physiology.....	4
History 4A.....	3	History 4B.....	3
French or Elective.....	3	Public Speaking 1A.....	3
Hygiene.....	2	Art Structure.....	2
Physical Activities.....	$\frac{1}{2}$	Phys. Educ.—Begin. Nat. Danc.....	$\frac{1}{2}$
		Physical Education.....	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physics 10.....	3	Science.....	3
Economics 1A.....	3	Econ. and Soc. Hist. of U. S.....	3
Minor.....	3	General Psychology.....	3
Minor or Elective.....	3	Geography 2.....	3
Sight Singing.....	2	Minor.....	3
Theory of Rhythms (Women).....	1	Physical Education.....	$\frac{1}{2}$
Phys. Educ.—Begin. Clog- ging.....	$\frac{1}{2}$	Physical Education.....	$\frac{1}{2}$
Physical Education.....	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Prin. of Phys. Educ.....	3	Vertebrate Zoology.....	3
Educational Psychology.....	3	Intro. to Education.....	3
Minor.....	3	Minor.....	3
Minor or Elective.....	3	Minor or Elective.....	3
Coaching A.....	2	Coaching B.....	2
Community Recreation.....	2	Practicum in Phys. Educ.....	$1\frac{1}{2}$
Sing. Games & Folk Dances.....	$\frac{1}{2}$	Physical Education.....	$\frac{1}{2}$

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Corrective Phys. Educ. & Kinesiology.....	4	Stud. Teaching Phys. Educ.....	4
Stud. Teach. Phys. Educ.— Elem.....	2	Growth & Devel. of Child.....	3
American Government.....	3	Philosophy of Education.....	3
Electives.....	6	Health Education.....	2
Physical Education.....	$\frac{1}{2}$	Conference on Second. Phys. Ed.....	2
		Elective.....	2
		Physical Education.....	$\frac{1}{2}$

**REGULATIONS GOVERNING THE GRANTING OF SCHOOL
ADMINISTRATION CREDENTIALS BY THE STATE BOARD
OF EDUCATION**

General Requirements

An applicant for the administration credential must submit:

- A. A certificate from a physician licensed to practice medicine and surgery that the applicant is physically and mentally fit to engage in school service.
- B. Verification of a general teaching credential, certificate, or life diploma.
- C. Verification of two years of thoroughly successful teaching experience.

ELEMENTARY SCHOOL EXECUTIVE

The administration credential for the elementary school executive serving as principal directly under a board of education requires:

- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and recommending for the general elementary credential.
- F. Completion of twenty-four semester hours of work beyond all requirements for the general elementary credential in courses completed concurrently with or subsequent to teaching experience including the following:
 - 1. Administration and supervision of elementary schools including field work.
 - 2. Elementary school curriculum with emphasis on subject matter and methods.
 - 3. City school administration.
 - 4. School finance and business administration.
 - 5. State and county school administration.
 - 6. Legal aspects of education.
 - 7. Tests and measurements.
 - 8. Electives in sociology, psychology, and education with emphasis on philosophy of education.

ELEMENTARY SCHOOL PRINCIPAL OR SUPERVISOR

The administration credential for the elementary school principal or supervisor serving under a superintendent of schools requires:

- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and recommending for the general elementary credential.
- F. Completion of eighteen semester hours of work beyond all requirements for the general elementary credential in courses completed concurrently with or subsequent to teaching experience including the following:
 - 1. Administration and supervision of elementary schools including field work.
 - 2. Elementary school curriculum with emphasis on subject matter and method.
 - 3. City school administration.
 - 4. Tests and measurements.
 - 5. Electives in sociology, psychology, and education with emphasis on philosophy of education.

N. B.—It will be noted that field work in administration and supervision is now required for both credentials. This field work will be difficult to administer during the year to teachers in the field. If a student finds it impossible to give up his teaching for a semester, the College will attempt to provide the field work in connection with the College Elementary School during the summer session.

REQUIREMENTS FOR A.B. DEGREE IN ALLIED ARTS**Lower Division*****ART****Units**

Art Structure -----	2
Graphic Expression -----	2 or 3
Art Appreciation -----	3
	7 or 8

ENGLISH

English 1A and 1B -----	6
	6

FOREIGN LANGUAGES

Foreign Language (in not more than two languages) -----	15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)	
	15

***HOME ECONOMICS**

Clothing -----	3
Hostess Course -----	2
Nutrition -----	2
	7

***INDUSTRIAL EDUCATION**

Mechanical Drawing -----	2
Metal Arts -----	3
Pottery -----	2
Woodworking -----	3
	10

PHYSICAL EDUCATION

Hygiene -----	2
Activities (one-half unit each semester) -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

* The number of units to be chosen from these fields will be determined in conference with the faculty adviser.

SCIENCE, BIOLOGICAL AND PHYSICAL

Units

Year course in Laboratory Science-----	8
Additional Science -----	6

 14
SOCIAL SCIENCE

History 4A and 4B-----	6
Additional Social Science-----	8

 14
Upper Division**ALLIED ARTS**

A minimum of twelve semester units chosen from the following courses:

Art 102—Applied Design; Art 105A—Lettering and Design A; Art 105B—Lettering and Design B; Home Econ. 114—Advanced Clothing; Home Econ. 129—Home Management; Home Econ. 132—Home Decoration and Furnishing; Ind. Ed. 101—Advanced Woodworking; Ind. Ed. 103—The Art of House Design; Ind. Ed. 105—Advanced Pottery; Ind. Ed. 125—Advanced Cabinet and Wood Construction for Women; Ind. Ed. 126—Advanced Metal Arts; Ind. Ed. 130—Architectural Drafting and Design.

PHYSICAL EDUCATION

Units

Activities (one-half unit each semester)-----	2
---	---

 2
SOCIAL SCIENCE

American Government-----	3
--------------------------	---

 3
MINORS

Candidate must complete a minor in each of two fields to be selected from the following:

Biological Science
Economics
Education
History

Music
Physical Education
Speech

Advanced credit from other institutions in fields other than the ones above mentioned will be accepted toward the requirement.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.
Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR A.B. DEGREE IN BIOLOGICAL SCIENCE**Lower Division****ENGLISH**

	Units
English 1A and 1B-----	6
	6

FOREIGN LANGUAGES

Foreign Language (in not more than two languages. French required.)-----	15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)	
	15

PHYSICAL EDUCATION

Hygiene-----	2
Activities (One-half unit each semester)-----	2
	4

PSYCHOLOGY

General Psychology-----	3
	3

PHILOSOPHY

Philosophy 5A-5B-----	6
	6

SCIENCE, BIOLOGICAL AND PHYSICAL

Botany 1A and 1B-----	8
Chemistry 1A-----	5
Zoology 1A and 1B-----	8
	21

SOCIAL SCIENCE

Year course-----	6
Elective-----	8
	14

Upper Division

PHYSICAL EDUCATION		Units
Activities (One-half unit each semester)-----	2	—

2

SCIENCE, BIOLOGICAL

Botany 110A and 110B-----	6
Botany 151 -----	3
Botany 107 -----	3
Zoology 114 -----	3
Zoology 113 -----	4
Additional courses to be arranged-----	5

24

SOCIAL SCIENCE

American Government-----	3
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3

MINORS

Candidates must complete a minor in two of the following fields:

Art	Industrial Education
Economics	Music
English	Physical Education
Education	Speech
History	

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.
Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR A.B. DEGREE IN ENGLISH**Lower Division**

ENGLISH		Units
English 1A and 1B.....		6
English 56A and 56B.....		6
		12

FOREIGN LANGUAGES

Foreign Language (in not more than two languages).....	15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)	
	15

PHILOSOPHY

Year Course	6
	6

PHYSICAL EDUCATION

Hygiene	2
Activities (one-half unit each semester).....	2
	4

PSYCHOLOGY

General Psychology	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Year course in Laboratory Science.....	6 or 8
Additional Science	8 or 6
	14

SOCIAL SCIENCE

History 4A and 4B.....	6
Additional Social Science.....	8
	14

Upper Division

ENGLISH

	Units
Shakespeare -----	3
Chaucer -----	3
Additional upper division English -----	18
	24

PHYSICAL EDUCATION

Activities (one-half unit each semester) -----	2
	2

SOCIAL SCIENCE

American Government -----	3
	3

MINORS

Candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	History
Economics	Music
Education	Physical Education
	Speech

Advanced credit from other institutions in fields other than the ones above mentioned will be accepted toward the requirement.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.
Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR A.B. DEGREE IN SOCIAL SCIENCE**Lower Division**

ENGLISH		Units
English 1A and 1B	-----	6

 6
FOREIGN LANGUAGE

Foreign Language (in not more than two languages)	-----	15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)		

 15
PHYSICAL EDUCATION

Hygiene	-----	2
Activities (one-half unit each semester)	-----	2

 4
PSYCHOLOGY

General Psychology	-----	3
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 3
SCIENCE, BIOLOGICAL AND PHYSICAL

Year course in laboratory science	-----	6 or 8
Additional Science	-----	8 or 6

 14
SOCIAL SCIENCE

History 4A and 4B	-----	6
Economics 1A and 1B	-----	6
Additional Courses	-----	2

 14

Upper Division

PHYSICAL EDUCATION

Units

Activities (one-half unit each semester)-----	2
	2

SOCIAL SCIENCE

Upper Division History-----	12
Upper Division Economics-----	12
American Government -----	3
	27

MINORS

Candidate must complete at least two minors in available college fields.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.

Minimum residence requirement is 24 semester units.

PRE-SECONDARY WORK**LOWER DIVISION COURSES FOR COLLEGE OF LETTERS
AND SCIENCE****Aims and Purposes**

These courses are designed for three groups of students:

(a) Students who plan to obtain later a Bachelor's Degree in the College of Letters and Science in another college or university and who wish to do the two years of lower division work at Humboldt. These students should register for the courses which will meet the requirements of upper division work in the college where they plan to get their degree.

(b) Students who plan to obtain a degree in a College of Applied Science or in a Professional School and wish to do some of their lower division work at Humboldt. Such students should write to or confer with the Dean to learn how many semesters of lower division work will be accepted in the special field in which they are planning to prepare.

(c) Special students enrolled for particular courses only.

Suggested Courses in the College of Letters and Science

The suggested requirements for lower division work for College of Letters and Science include sixty-four units of college work chosen as follows:

(a) English A. Physical Education, 2 units.

(b) Foreign Language—15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units toward this requirement.)

(c) Mathematics—Elementary Algebra and Geometry.

(d) Natural Science—12 units chosen from the following list: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology. (A year's work in high school Chemistry or high school Physics will count 3 units each in satisfaction of this requirement.)

(e) Additional. A year-course (of at least 6 units) in each of three of the following groups:

(1) English, Public Speaking.

(2) Foreign Language (additional to b).

(3) Mathematics (additional to c).

(4) Economics, Geography, History, Political Science.

(5) Philosophy.

PRE-SECONDARY IN COMMERCE**LOWER DIVISION COURSES FOR COLLEGE OF COMMERCE**

The suggested requirements for lower division work for the College of Commerce include sixty-four units of college work chosen as follows:

- (a) English A.
Physical Education, 2 units.
- (b) Foreign Languages:
This requirement may be satisfied as follows:
 - 1. By passing the Subject B examination in some acceptable foreign language (French, German, Spanish, Italian, Greek, Latin, Russian, Chinese, Japanese.)
 - 2. By offering 12 units in one foreign language. Each year of language taken in the high school is to be counted as three units.
- (c) English, 6 units.
English 1A-1B or Public Speaking 1A-1B.
- (d) History or Political Science, 6 units.
History 4A-4B, History 8A-8B, or Political Science 1A-1B.
- (e) Geography, 6 units.
Geography 1 and Geography 2.
- (f) Economics, 6 units.
Economics 1A and 1B.
- (g) Natural Science, 9 units.
Courses in Physics and Chemistry taken in high school may be applied toward satisfaction of the science required without, however, reducing the number of units required for the Junior Certificate.
- (h) Mathematics: Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.
- (i) Electives.
Recommended: Economic History of U. S.
Accounting 14A-14B.

Recommended Sequence**FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
French A-B -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4 or 5	3, 4 or 5
Trigonometry (if needed to meet Mathematics requirement) -----	2	
Geography 1 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
French C-D -----	3	3
Science -----		3
Geography 2 -----	3	
Intermediate Algebra (if needed to meet Mathematics requirement) -----	3	
Mathematics of Finance -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-SECONDARY IN AGRICULTURE

Recommended Sequences

AGRICULTURAL ECONOMICS

FRESHMAN YEAR

	<i>Sem. 1</i>	<i>Sem. 2</i>
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Philosophy 5A-5B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
General Psychology -----		3
Economics 11—Economic History of U. S. -----		3
Zoology 1A -----	4	
Electives -----	5	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PLANT SCIENCE

FRESHMAN YEAR

Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

ANIMAL SCIENCE

FRESHMAN YEAR

	<i>Sem. 1</i>	<i>Sem. 2</i>
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

FORESTRY

FRESHMAN YEAR

Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A -----	3	
Botany -----		4
Economics 1A-1B -----	3	3
Electives -----	3	*3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

* Botany 4 recommended.

PRE-SECONDARY IN COMMERCIAL EDUCATION

One-Year Course

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Beginning Shorthand-----	5	Advanced Shorthand-----	5
Accounting 14A-----	3	Business Mathematics-----	3
English A-----	0	Business English-----	3
Beginning Typing-----	2	Advanced Typing-----	2
Orientation-----	$\frac{1}{2}$	Machine Calculation-----	2
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$

Suggested Two-Year Course

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Beginning Shorthand-----	5	Advanced Shorthand-----	5
English A-----	0	Business Mathematics-----	3
Beginning Typing-----	2	Business English-----	3
Accounting 14A-----	3	Advanced Typing-----	2
Orientation-----	$\frac{1}{2}$	Machine Calculation-----	2
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Public Speaking 1A-----	3	Advanced Shorthand-----	5
Salesmanship-----	2	Secretarial Training-----	3
Business Law-----	3	Accounting 14B-----	3
Business Contact-----	2	Filing-----	2
Advanced Typing-----	2	Advanced Typing-----	2
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$

Desirable Electives

Economics 1A	Industrial Education Courses
Geography	Introduction to Modern Physics
Home Making	Lettering—including free brush work
Hostess Course	Music

A Commerce diploma will be granted on completion of the scheduled courses.

PRE-DENTAL

Recommended Sequence

Two-Year Course

FRESHMAN YEAR

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B }		
or }		
†Year course }	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
American Government -----	-	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the Junior Certificate in the College of Letters and Science.

PRE-ENGINEERING

Recommended Sequence

FRESHMAN YEAR

	<i>Sem. 1</i>	<i>Sem. 2</i>
English A -----		
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

* Required if student did not have a course in Physics in high school.
 † Chosen from the Letters and Science list, group (e).

PRE-LEGAL**Recommended Sequence****FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French A-B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15½ or 16½	15½ or 16½

SOPHOMORE YEAR

French C-D -----	3	3
Philosophy 5A-5B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15½ or 16½	15½

PRE-MEDICAL**Recommended Sequence****FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French A-B -----	3	3
History 4A-4B -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French C-D -----	3	3
Year Course from group (e) -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

PRE-SECONDARY IN MUSIC

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Harmony -----	3	Harmony -----	3
Music Hist. and Apprec.	3	Music Hist. and Apprec.	3
Applied Music -----	2	Applied Music -----	2
English 1A -----	3	English 1B -----	3
Foreign Language -----	3	String Instruments -----	2
Choral Music -----	$\frac{1}{2}$	Foreign Language -----	3
Orientation -----	$\frac{1}{2}$	Choral Music -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Total -----	15 $\frac{1}{2}$	Total -----	17

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Harmony -----	3	Harmony -----	3
Music Apprec. Meth.	3	Conducting -----	2
Applied Music -----	2	Applied Music -----	2
Reed Instruments -----	2	Brass Instruments -----	2
Ear Training and Sight Singing -----	2	Ear Training and Sight Singing -----	2
General Psychology -----	3	Educational Psychology -----	3
Choral Music -----	$\frac{1}{2}$	Hygiene -----	2
Physical Education -----	$\frac{1}{2}$	Choral Music -----	$\frac{1}{2}$
Total -----	16	Physical Education -----	$\frac{1}{2}$
		Total -----	17

PRE-NURSING**Two-Year Course****FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
Chemistry 1A -----	5	
Zoology 1A -----	4	
Physiology 1 -----		4
General Psychology -----		3
Electives -----	3	5
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Philosophy 5A-5B -----	3	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	9	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-PHARMACY**One-Year Course**

	<i>Sem. 1</i>	<i>Sem 2</i>
English A—Examination or Course -----		
Chemistry 1A-1B -----	5	5
Mathematics 1 -----	3	
Mathematics C -----	2	
Botany 1A-1B -----	4	4
Electives -----	2	*6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

* Botany 4 is recommended.

COURSES OF INSTRUCTION

The semester in which the course is offered is indicated after the course title. Courses taught in the fall semester are marked (I); those taught in the spring are marked (II).

ART

1. ART STRUCTURE (I, II). 2 units
Analysis of structural principles, the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.
Two one-hour periods per week.
- 2A. ELEMENTARY CRAFTS A (II). 1, 2, or 3 units
Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft make up the content of this course.
One, two, or three one-hour periods per week.
- 2B. ELEMENTARY CRAFTS B (I). 2 units
Puppetry and stagecraft.
Two one-hour periods per week.
3. ART APPRECIATION. 3 units
A study of the development of art through the early historic periods and schools in architecture, sculpture, painting, and minor arts up to the 20th century.
Three one-hour periods per week.
4. GRAPHIC EXPRESSION. 3 units
A study of form and space, in proportion and composition, expressed with line, value, and color.
Three one-hour periods per week.
5. DESIGN. 3 units
The organization of line, mass, space, volume, and color into patterns for surface decorations. Prerequisite: Art Structure.
Three one-hour periods per week.
102. APPLIED DESIGN. 3 units
Advanced problems in original designs suitable for industrial uses, with application of some to materials.
Three one-hour periods per week.

105A. LETTERING AND DESIGN A.

3 units

Practice in the technique of lettering and use of lettering tools in working for fine line, proportion, spacing, tone, and rhythm with the study of various types of letters.

Three one-hour periods per week.

105B. LETTERING AND DESIGN B.

3 units

A continuation of Lettering A with organization of page, illustration, and composition of the book. Poster service for the college.

Three one-hour periods per week.

190. PRACTICUM IN ART.

2 units

Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation, and some participation in teaching.

Two one-hour class periods and two observation periods per week.

BIOLOGICAL AND PHYSICAL SCIENCE**Requirements in Biological Science**

A minimum of 17 units of science credits required, of which three credits must be upper division. The lower division credits must include one from each of groups A, B, and Group C.

A. Biology 1A-1B; Botany 1A-1B; Zoology 1A-1B; Zoology 1A and Physiology 1.

B. Chemistry 1A; Physics 1A-1B; Physics 10.

C. Classification of Flowering Plants.

D. Vertebrate Zoology.

The major must include nine additional upper division units in Biological Science.

Biology**1A. GENERAL BIOLOGY (I). 4 units**

Designed to give the fundamental principles of plant biology, protoplasm, and metabolism.

Two one-hour lectures, and two three-hour laboratory periods per week.

1B. GENERAL BIOLOGY (II). 4 units

A general survey of animals including structure, heredity, and the theory of organic evolution.

Two one-hour lectures, and two three-hour laboratory periods per week.

10. FIELD BIOLOGY (I, II). 1, 2, 3 units

A study of mammals and birds in the field, their distribution, capture, and preparation into study skins. The course will include demonstrations and field trips.

One one-hour lecture and laboratory periods.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, a greenhouse, well equipped hothouses, and hot beds.

1A. GENERAL BOTANY (I).

4 units

This course deals with the fundamentals of the morphology and physiology of flowers, fruits, seeds, seedlings, roots, stems, and leaves. Field trips will be made to points near the college, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week.

1B. GENERAL BOTANY (II).

4 units

A continuation of course 1A covering the lower order of plants and an introduction to the taxonomy of the flowering plants.

Two one-hour lecture and two three-hour laboratory periods per week.

4. CLASSIFICATION OF FLOWERING PLANTS (II).

3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual. Prerequisite: One year of Biological Science.

Two one-hour lecture and one three-hour laboratory period per week.

20. FLORICULTURE (II).

3 units

The propagation and culture of the more common annuals and bulbous plants grown in California gardens, the preparation of soils and planting of flower beds, application of simple principles of design to home grounds, the use of fertilizers, preparation and application of spraying materials.

Two lectures and one laboratory period per week.

110A. FOREST BOTANY (I).

3 units

A study of the forest trees and shrubs, including field identification, and a critical study of the characters and habits of gymnosperms. Prerequisite: One year of Biological Science.

Two three-hour laboratory periods and three hours field work per week.

110B. ANGIOSPERMS (II).

3 units

A study of representative orders of flowering plants; their habits and growth, structure, classification, and geographical distribution. Prerequisite: One year of Biological Science.

Two three-hour laboratory periods and three hours field work per week.

107. PLANT ECOLOGY (I).

3 units

A general survey of plant and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of this area to native plants. Prerequisite: One year in Biological Science. (Not given 1936-37.)

Three one-hour periods per week.

151. PLANT GEOGRAPHY (II).

3 units

Study of plant distribution with particular emphasis on west coast conditions. Work conducted in lecture and discussion classes with one long field trip of several days to be taken late in the spring semester. Prerequisite: One year of Biological Science. (Not given 1936-37.)

Three one-hour periods per week.

160. ADVANCED FLORICULTURE.**3 units**

Studies in propagation problems of particular species, the use of species in planting plans and the preparation of complete drawings, specifications, and plans for landscaping three homes.

Students admitted only on the permission of the instructor.

Chemistry**1A-1B. GENERAL CHEMISTRY (Yr.).****5-5 units**

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure. Prerequisites: At least two years of high school mathematics and either high school physics or chemistry.

Three one-hour lecture periods and two three-hour laboratory periods.

8-9. ORGANIC CHEMISTRY (Yr.).**3-3 units**

A survey of the carbon compounds with laboratory preparations and illustrations.

Chemistry 8—Three one-hour lecture periods.

Chemistry 9—Three three-hour laboratory periods.

Prerequisites: Chemistry 1A-1B.

Geology**1A. GENERAL GEOLOGY (I, II).****3 units**

A study of the earth, its internal and external structure, the materials of which it is composed, and the geologic processes and agents that are affecting the surface.

Three one-hour periods per week, with frequent field trips by arrangement.

Physics**PHYSICS 1A (I).****3 units**

The elementary principles of mechanics. Prerequisites: Three years of high school mathematics, including Trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

PHYSICS 1B (II).**3 units**

Emphasis on heat, radiation, elementary principles of meteorology, and the properties of matter. Prerequisites: Three years of high school mathematics, including Trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

2A-2B. GENERAL PHYSICS LECTURE (Yr.)**3-3 units**

A general survey of physics for students of the biological sciences. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion and demonstration periods.

3A-3B. GENERAL PHYSICS LABORATORY (Yr.). 1-1 unit

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity, to accompany the lecture course 2A-2B.

One three-hour laboratory period per week.

10. INTRODUCTION TO MODERN PHYSICS. 3 units

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are: Planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour lectures and one one-hour review section per week.

20. ELEMENTARY PHOTOGRAPHY (II). 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

Physiology**1. INTRODUCTORY PHYSIOLOGY (II).** 4 units

A general introductory course on human physiology.

Three one-hour lectures and one three-hour laboratory period per week.

Zoology**1A. GENERAL ZOOLOGY (I).** 4 units

An introduction to the facts and principles of animal biology with special reference to the structure, functions, and evolution of animals. The study of seashore animal life will be correlated with the laboratory.

Two one-hour lectures, and two three-hour laboratory periods.

1B. GENERAL ZOOLOGY (II).

A continuation of course 1A. Structure and development of the chordates including the study of a mammal.

Two one-hour lectures, and two three-hour laboratory periods.

113. GENERAL VERTEBRATE ZOOLOGY (II). 3 units

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat preferences, behavior, distribution, and classification. Lectures, field trips, and laboratory, with papers on assigned topics. Prerequisite: Zoology 1A-1B.

Two one-hour lectures, and one three-hour laboratory period or field trip.

114. HEREDITY AND EVOLUTION (I). 3 units

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned readings. Study is made of the various theories of evolution. Prerequisite: Zoology 1A-1B.

Three one-hour periods per week.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

5. MACHINE CALCULATION (I, II).**2 units**

An intensive study of modern office machinery, including calculators, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present day business life for skilled operators.

Two one-hour periods per week.

10. PENMANSHIP.**No credit**

A thorough course in practical business penmanship planned to meet the needs of teachers of penmanship. This course will be flexible enough to care for students who fail to meet major department standards.

Three one-hour periods per week.

14A. ACCOUNTING (I).**3 units**

An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Two one-hour class periods and one two-hour laboratory period per week.

14B. ACCOUNTING (II).**3 units**

A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, non-profit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspect of accounting.

Two one-hour periods and one two-hour period per week.

21. BUSINESS MATHEMATICS (II).**3 units**

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes

of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. BUSINESS LAW (II). 3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41. BUSINESS ENGLISH (II). 3 units

Fundamentals of grammar and sentence structure; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English. Pre-requisite: English A.

Three one-hour periods per week.

50. SALESMANSHIP (I). 2 units

The personality and training of the salesman, sales analysis; interviews; steps in selling; the approach; arousing interest; producing conviction; creating desire; buying motives; closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

Secretarial Training

1A. SHORTHAND I (I). 5 units

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. SHORTHAND II (II). 5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Five one-hour periods per week.

1C. SHORTHAND III (I, II). 5 units

An intensive dictation course. This course will include dictation and transcripts covering vocabularies of representative businesses, such as banking, law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Five one-hour periods per week.

1D. SHORTHAND IV (II). 5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation,

speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Five one-hour periods per week.

2A. TYPING I (I, II).

2 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Five one-hour periods per week.

2B. TYPEWRITING II (I, II).

2 units

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Five one-hour periods per week.

2C. TYPING III (I, II).

2 units

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions, including dictaphone practice.

Five one-hour periods per week.

3. FILING (II).

2 units

Practice is given in all the methods of correspondence filing such as: The Triple Check Automatic Index, Varidex Alphabetic, Subject, Numeric, and Geographic. Attention is given to cross-indexing, coding, and follow-up or tickler systems. Strictly up-to-date filing outfits are used.

Two one-hour periods per week.

69. SECRETARIAL TRAINING (II).

3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances. Prerequisite: Typing I.

Three one-hour periods per week.

70. BUSINESS CONTACT (I).

2 units

Addresses, special talks, lectures, demonstrations by executives experienced in the subjects covered. Inspection trips. Each student is required to report each week one public lecture given either on or off the campus. Shorthand notes accompany the transcript.

STUDENT TEACHING AND EDUCATION COURSES

Student teaching offers one of the most profitable experiences a student has while in college. Through his teaching he learns to adapt himself to all types of personalities at the various grade levels.

Before beginning this important piece of work, the students will have been passed upon by the President and the Dean of Women as being young people possessing personality traits that are essential to those who are entering the teaching profession. In addition to this the students must have satisfactorily passed the health examination, the aptitude test, the fundamental tests, and have made a "C" average in the academic courses.

In so far as circumstances permit, the theory courses are conducted on a laboratory basis, being closely connected with the activities of the College Elementary School. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. These courses serve the beginning teacher in many ways:

1. To gradually induct the student into teaching and thus increase his chances for success and to tend to prevent discouragement.
2. To direct the student's attention in a systematic manner to classroom conditions and activities.
3. To make it possible for the student to see and help carry on correct procedure from the first.
4. To make it possible for the student to see lessons taught by strong, resourceful teachers. The lessons observed serve as models to imitate, and a means for setting up standards of good teaching.
5. To provide the student with opportunities to learn to know children.
6. To help the student to become acquainted with books and materials of the classroom.
7. To help the student to become skillful in using correct procedures.
8. To give the student a view of the entire school curriculum.
9. To help to develop a professional attitude and to establish ideals of service among students.

Credits required in the professional courses are as follows:

Children's Literature-----	3	units
Educational Psychology-----	3	units
Curriculum Activities-----	3	units
Introduction to Education-----	3	units
Rural Education-----	2	units
Practicum in Art-----	2	units
Practicum in Music-----	2	units
Practicum in Physical Education-----	1½	units
Growth and Development-----	3	units
Teaching I-----	2	units
Teaching II-----	8	units
Philosophy of Education-----	3	units

In the senior year each student teaches under guidance a grade three hours daily. He teaches in an upper grade for a nine-weeks' period and again in a lower grade for a nine-weeks' period.

After the student completes his teaching he takes a course in Philosophy of Education. Through this course an attempt is made to help him build up for himself a philosophy of education and thus a philosophy of life.

100. INTRODUCTION TO EDUCATION (I, II). 3 units

This course aims to give prospective teachers at the beginning of their professional training a broad outlook of the American system of education.

Three one-hour periods per week.

110. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (I). 3 units

General Psychology is prerequisite to this course. It involves the study of the learning activity of the individual from both the standpoint of the learner and the teacher. It includes the psychological principles involved in the teaching of subject matter as well as in extra-instructional activities involved under actual teaching conditions and procedures.

Three one-hour periods per week.

111. GROWTH AND DEVELOPMENT OF THE CHILD (I, II). 3 units

A study of the psychological as well as the social development of the child including important aspects of mental hygiene involved in intellectual and emotional growth. The interrelationship of home, school, and community factors in child development is stressed.

Three one-hour periods per week.

**115. INTRODUCTION TO EDUCATIONAL MEASUREMENTS
AND DIAGNOSIS (II).**

3 units

The nature and function of standard educational tests will be considered. Particular attention will be given to educational diagnosis which will enable students to discover and evaluate both strengths and weaknesses of individuals as a basis for effective guidance in remedial measures.

Three one-hour periods per week.

124. PHILOSOPHY OF EDUCATION (I, II).

3 units

This course is a study of the major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. CURRICULUM ACTIVITIES (I, II).

3 units

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an interpreted curriculum.

Three one-hour periods per week.

137. RURAL EDUCATION.

2 units

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Two one-hour periods per week.

172. PRINCIPLES OF JUNIOR HIGH SCHOOL EDUCATION.

2 units

This course deals with the principles underlying the organization, administration, and curriculum of the junior high school. Particular stress is placed on the peculiar problems involved in teaching adolescent children.

Two one-hour periods per week.

191. CHILDREN'S LITERATURE (I, II).

3 units

A survey and comprehensive study of the various phases of children's literature for grades one to eight, inclusive. The purpose of the course is to familiarize students with content and types of literature suitable for use in different grades, to develop some personal appreciation of the material, and to give methods of applying it.

Three one-hour periods per week.

**192. CURRICULUM AND MATERIALS FOR KINDERGARTEN-
PRIMARY.**

3 units

A study of the curriculum, materials, and teaching techniques in the kindergarten-primary grades. Observation of lessons taught for demonstration purposes.

Two one-hour periods per week.

310. TEACHING I (I, II).**2 units**

Teaching I consists of observation, participation, individual and group teaching.

Three one-hour periods per week.

320. TEACHING II (I, II).**8 units**

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary, Junior High, or Kindergarten-Primary Credential.

321. TEACHING III (I, II).**2 or 3 units**

This course provides an opportunity for students of exceptional ability to do advanced teaching which will include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

**388. PRINCIPLES AND OBJECTIVES OF SCOUTING AND
OTHER TYPES OF BOYS' WORK (I).****2 units**

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

389. CAMP FIRE LEADERS' TRAINING COURSE (II). **1 unit**

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

ENGLISH**ENGLISH A (I, II).**

This course gives drill in the mechanics of composition. It is required of all students who do not pass the entrance test in composition.

Three one-hour periods per week. No college credit.

1A. ENGLISH COMPOSITION (I, II).**3 units**

Course offers weekly practice in writing exposition. Outlining, paragraph development, discovery and use of library resources are taught. Prerequisite: Passing grade in English A test or in course in English A.

Three one-hour periods per week.

1B. ENGLISH LITERATURE AND COMPOSITION (I, II).**3 units**

English 1B is a course primarily introductory to the study of literature, although it offers a certain amount of further practice in writing. Prerequisite: English 1A.

Three one-hour periods per week.

30. RECREATIONAL READING 1A (I).**1 unit**

Purpose to introduce the student pleasurably to some of the best modern writers. Preliminary talk of fifteen minutes, followed by silent reading—part fiction and part nonfiction. Students required to write appreciation notes for each book read.

Two one-hour periods per week.

56A. SURVEY OF ENGLISH LITERATURE (I).**3 units**

The beginning of English literature and the main aspect of its development down to the Restoration (1660) are studied. Prerequisite: English 1B.

Three one-hour periods per week.

56B. SURVEY OF ENGLISH LITERATURE (II).**3 units**

This course embraces the leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. NEWS WRITING (I, II).**3 units**

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Three one-hour periods per week.

English 1A and 1B, and 56A and 56B are prerequisites to the following upper division courses for students taking majors or minors in English. In certain cases a student not taking a major or a minor in English may, with the consent of the English department, elect some of the courses without the foregoing requirements.

106. VERSE FORMS (II).**3 units**

A survey of the development of English verse forms, with practice in metrical analysis, and an application of knowledge acquired to modern poetry.

Three one-hour periods per week.

115. THE ENGLISH LANGUAGE (II).**3 units**

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. SHAKESPEARE (II).**3 units**

This course includes an intensive study of a few of Shakespeare's plays, and a rapid reading of some others.

Three one-hour periods per week.

130A. AMERICAN LITERATURE (I).**3 units**

A brief survey of Colonial and Revolutionary literature is followed by a study of major writers of the nineteenth century to 1870.

Three one-hour periods per week.

The following courses will be offered over a period of two years, if necessary, the needs of the student enrolling determining just which courses will be given.

125C. THE ENGLISH NOVEL TO 1832.**3 units**

The course studies the English novel from Robinson through the early nineteenth century. Ten novels will be reported on by students, three studied by class. Prefaced to the survey is a consideration of the forerunners of the novel. The course includes a study of the novel as a literary form, as well as a more minute analysis of the great novels.

Three one-hour periods per week.

151. CHAUCER.**3 units**

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. ENGLISH LITERATURE FROM 1557 TO 1660.**3 units****157. ENGLISH LITERATURE FROM 1660 TO 1780.****3 units****158. ENGLISH LITERATURE FROM 1780 TO 1832.****3 units****159. ENGLISH LITERATURE FROM 1832 TO 1900.****3 units**

Division of Speech and Drama

1A. PUBLIC SPEAKING 1A (I, II). 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. PUBLIC SPEAKING 1B (I). 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice is provided in extemporaneous speaking and debate.

Three one-hour periods per week.

2A-2B. FUNDAMENTALS OF EXPRESSION AND INTERPRETATION (I, II). 3-3 units

This basic course in voice training and in the art of oral expression teaches the fundamental laws of interpretation and the manifestation of these principles through natural expression.

Three one-hour periods per week each semester.

10. THEORY AND TECHNIQUE OF ACTING (II). 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self confidence.

Three one-hour periods per week.

25 and 125. DRAMATIC WORKSHOP H (I, II). 2 units

A laboratory course in acting and in the technical practices of the stage. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance. For advanced students upper division credit will be given.

Three two-hour periods per week.

155A. PLAY PRODUCTION (I). 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up. Prerequisite: Dramatic Technique.

Three one-hour periods per week.

155B. PLAY PRODUCTION (II). 3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

HOME ECONOMICS**1. PROBLEMS IN CLOTHING SELECTION AND CONSTRUCTION (II).****3 units**

A course dealing with the fundamental problems of clothing selection and construction, including the selection of correct color, line, texture, and design as an expression of personality. The use of the commercial pattern and general sewing equipment will be considered.

Three two-hour laboratory periods per week.

7. NUTRITION.**2 units**

Fundamentals of nutrition and diet in relation to the body and its growth and development in normal condition and in disease.

Two one-hour lectures per week.

10. HOSTESS COURSE (I).**3 units**

A study of food combinations for healthful meals, the different types of meal service, and the etiquette involved in the service of each. A conscientious study of the courtesies of home, business, and professional life.

Open to all women students.

Three two-hour periods per week.

114. ADVANCED CLOTHING (II).**2 units**

The design and construction of garments of various fabrics by the use of standard patterns. Emphasis placed upon selection and technique.

Outside reading and a term paper required.

Three two-hour laboratory periods per week.

129. HOME MANAGEMENT.**2 units**

A course aiming to train for the more efficient care and management of the home. Budgeting of time and money, the cost of furnishing and equipping a modern home, and the social and economic problems of family relationships are considered.

Two one-hour periods per week.

132. HOME DECORATION AND FURNISHING (I).**2 units**

A study of the principles of art as applied to house-furnishing problems. Aims to develop intelligent judgment in selection of home furnishings from the standpoint of art, economy, and comfort.

One lecture, two two-hour laboratory periods per week.

INDUSTRIAL EDUCATION

- 5. POTTERY (I).** 2 or 3 units
An interesting course in an age-old industry. Designing, casting, throwing, modeling, glazing, and firing.
Two three-hour periods per week, or three three-hour periods per week.
- 6. MODELING (I).** 2 or 3 units
A course planned for those interested in modeling the human form as a prerequisite for art, facial correction in dentistry, etc.
Two three-hour periods per week, or three three-hour periods per week.
- 7A. MECHANICAL DRAWING (I, II).** 2 units
A fundamental course in mechanical drawing covering orthographic, isometric, and cabinet projection, intersection of solids, sections, screws and threads, gears, cams, blue prints, etc.
Two three-hour periods per week.
- 7B. ADVANCED MECHANICAL DRAWING (II).** 2 units
An advanced course in mechanical drawing given to aid students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.
Three two-hour periods per week.
- 12. METAL ARTS (II).** 3 units
A course in the application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.
Three three-hour periods per week.
- 13. ARCHITECTURAL DRAFTING.** 2 or 3 units
Foundation work in beginning house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in Mechanical Drawing either in high school or college is advisable as a background.
Two or three three-hour periods per week.
- 15. RURAL SCHOOL HANDWORK AND TOYCRAFT (WOMEN) (I, II).** 3 units
A course adapted to the use of the native materials, and waste products applied to work in the grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the lines tried.
- 20. BEGINNING WOODWORKING FOR WOMEN (I, II).** 2 units
An experimental course offered especially for women who may be interested in making simple objects of furniture, and learning the use of the easier woodworking tools. Sewing cabinets, magazine holders, chests, and many other pieces of furniture can be made.
Two three-hour periods per week.

51. **FUNDAMENTALS OF INDUSTRIAL EDUCATION (MEN)**
(I, II). 3 units
A study of the fundamentals of industrial education and its application to the teaching of the subject in the grades. This includes methods, courses of study, construction of objects for grade work, and care and use of equipment.
Three three-hour periods per week.
52. **BEGINNING WOODWORKING (MEN) (I, II).** 2 or 3 units
Not planned for teachers. A study of the fundamentals of wood construction for those who wish to gain skill for a hobby or trade.
Two three-hour periods per week.
101. **ADVANCED WOODWORKING (I, II).** 2 or 3 units
Building of boats, airplane gliders, and large pieces of a similar nature. Prerequisite: Ind. Ed. 52.
Two or three three-hour periods per week.
103. **THE ART OF HOUSE DESIGN.** 2 or 3 units
A serious study of home planning and building. Prerequisite: Ind. Ed. 13.
Two or three three-hour periods per week.
105. **ADVANCED POTTERY (I).** 2 units
A serious study of the problems involved in pottery making as applied to teaching and commerce. Designing, decorating, throwing, packing, firing of the kiln are a few of the things studied.
Two three-hour periods per week.
123. **PATTERNMAKING AND THEORY OF FOUNDRY PRACTICE (II).** 3 units
A study in the basic principles of foundry practice and patternmaking. The construction of simple patterns, and the casting in the softer metals.
Three three-hour periods per week.
124. **ADVANCED CABINET AND OTHER WOOD CONSTRUCTION (I).** 2 or 3 units
An advanced course in woodwork offered for students interested either in teaching or in advanced construction problems.
Two three-hour periods, or three three-hour periods per week.
125. **CARPENTRY.** 3 units
A serious study of house construction. A recommended course to follow Industrial Education 103, The Art of House Design. Prerequisite: Industrial Education 52.
Three three-hour periods per week.

**126. ADVANCED CABINET AND WOOD CONSTRUCTION
FOR WOMEN. 2 units**

A course especially adapted for women interested in problems of an advanced nature in woodworking and cabinet work. Prerequisite: Industrial Education 20.

Two three-hour periods per week.

127. ADVANCED METAL ARTS (II). 2 or 3 units

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, as well as other metals.

Two or three three-hour periods per week.

130. ARCHITECTURAL DRAFTING AND DESIGN. 2 units

This course is planned to aid the student in designing practical, inexpensive, modern homes. Prerequisite: Industrial Education 7A.

Two three-hour periods per week.

MATHEMATICS**C. TRIGONOMETRY (I).** 2 units

A study of elementary trigonometry. Prerequisite: High school algebra and geometry.

Two one-hour periods per week.

1. INTERMEDIATE ALGEBRA (II). 3 units

Simultaneous equations, quadratic equations, elementary determinants, progressions, logarithms, and the binomial theorem. Prerequisite: One year of high school algebra or general mathematics.

2. MATHEMATICS OF FINANCE (I). 3 units

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance. Prerequisite: Two years of high school algebra or intermediate algebra.

Three one-hour periods per week.

3A. PLANE ANALYTIC GEOMETRY (I). 3 units

Cartesian and polar equations of the straight line, conic sections, and general equations of the second degree. Prerequisite: High school algebra, geometry, and trigonometry.

Three one-hour periods per week.

3B. DIFFERENTIAL CALCULUS (II). 3 units

A continuation of plane analytics with a study of differential calculus, with an introduction to integral calculus. Prerequisite: Mathematics 3A.

Three one-hour periods per week.

4A. INTEGRAL CALCULUS AND SOLID ANALYTICS (I).

3 units

Continues the development and application of the calculus; includes infinite series, partial derivatives. Prerequisite: Differential Calculus.

Three one-hour periods per week.

4B. INTEGRAL CALCULUS AND SOLID ANALYTICS (II).

3 units

A continuation of Mathematics 4A including quadric surfaces and multiple integration. Prerequisite: Mathematics 4A or Integral Calculus.

Three one-hour periods per week.

20. MATHEMATICS OF THE ELEMENTARY SCHOOL

(I, II).

3 units

Operations and principles essential to the manipulation of fractions, equations, and formulae, with applications from design, graphics, statistics, investment, and engineering. Prerequisite: Elementary Algebra and Geometry.

Three one-hour periods per week.

CIVIL ENGINEERING**1A-1B. PLANE SURVEYING (Year Course).** 3-3 units

Principles, field practice, calculations, and mapping. Prerequisite: Plane Trigonometry and Geometrical Drawing.

Two two-hour lectures and one three-hour laboratory period per week.

MODERN LANGUAGES**French**

French is required or suggested as the most desirable foreign language for majors where foreign language is required in the lower division.

FRENCH A (I, II). 3 units

Elementary French. Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Three one-hour periods per week.

FRENCH B (I, II). 3 units

Elementary French. A continuation of French A. Prerequisite: French A or one year of high school French.

Three one-hour periods per week.

FRENCH C (I, II). 3 units

Intermediate French: Reading. Prerequisite: French B or two years of high school French.

Three one-hour periods per week.

FRENCH D (I, II). 3 units

Intermediate French: Reading. Continuation of French C. Prerequisite: French C or three years of high school French.

Three one-hour periods per week.

FRENCH 5A (I). 3 units

Advanced French: Reading. An introduction to French literature. Prerequisite: French D or four years of high school French.

Three one-hour periods per week.

FRENCH 5B (II). 3 units

Advanced French: Reading. Continuation of French 5A.

Three one-hour periods per week.

FRENCH 6A (I). 2 units

Intermediate French: Grammar and composition. This course should be taken concurrently with French C by students who expect to continue the study of French in the upper division at another institution. Prerequisite: French B or two years of high school French.

Two one-hour periods per week.

FRENCH 6B (II). 2 units

Intermediate French: Grammar and composition. A continuation of French 6A. This course should be taken concurrently with French D by students who expect to continue the study of French. Prerequisite: French 6A or three years of high school French.

Two one-hour periods per week.

Spanish**A. ELEMENTARY SPANISH (I). 3 units**

Pronunciation, fundamentals of grammar, reading of simple texts. Corresponds to first year high school Spanish.

Three one-hour periods per week.

B. ELEMENTARY SPANISH (II). 3 units

Continuation of Spanish A. Corresponds to second year high school Spanish. Prerequisite: Course A or one year of high school Spanish.

Three one-hour periods per week.

C. INTERMEDIATE SPANISH (I). 3 units

Reading of Spanish prose; composition; review of grammar. Prerequisite: Course B or two years of high school Spanish. (Not offered 1936-1937.)

Three one-hour periods per week.

D. INTERMEDIATE SPANISH (II). 3 units

Continuation of Spanish C. Prerequisite: Course C or three years of high school Spanish. (Not offered 1936-1937.)

Three one-hour periods per week.

MUSIC**1A. INTRODUCTORY MUSIC READING—PIANO (I, II). 1 unit**

Study of the fundamentals of music and practice in reading music at the piano. The class will be divided into sections according to the ability of the students in piano. Introductory work will be given to those who do not already play.

Three one-hour periods per week.

2A. EAR TRAINING AND SIGHT SINGING (I, II). 2 units

The course includes tonal and rhythmic, oral, and written dictation. Sight singing with Latin syllables and words. Unison, two-, three-, and four-part music is studied.

Three one-hour periods per week.

2B. ADVANCED EAR TRAINING AND SIGHT SINGING (II). 2 units

The course includes tonal and rhythmic, oral, and written dictation. Sight singing with Latin syllables and words. Four-part music of a considerable degree of difficulty is studied. Aural recognition of scales, intervals, chord inversions, and chord progressions.

Three one-hour periods per week.

3A. MUSIC HISTORY AND APPRECIATION 1A (I). 3 units

History of musical development from primitive times to the nineteenth century. Records are extensively used to illustrate this development.

Three one-hour periods per week.

3B. MUSIC HISTORY AND APPRECIATION 1B (II). 3 units

History of musical development through Romantic and Modern Eras. Records are extensively used to illustrate this development.

Three one-hour periods per week.

4A. HARMONY A (I). 3 units

Study of scale structure, intervals, primary chords and inversions and writing of four-part harmony. Harmonization of given and original melodies. One hour of keyboard harmony included per week.

Three one-hour periods per week.

4B. HARMONY B (II). 3 units

Secondary triads, non-harmonic tones, seventh chords and inversions, harmonic analysis, modulation. One hour of keyboard harmony included per week.

Three one-hour periods per week.

14A. HARMONY C (I). 3 units

Altered chords, original composition, modulation, and ninth chords. One hour of keyboard harmony required per week.

Three one-hour periods per week.

14B. HARMONY D (II).**3 units**

Augmented sixth chords, more difficult modulations, whole tone scale, secondary dominant formations. One hour of keyboard harmony required per week.

51. STRING INSTRUMENTS (I).**2 units**

Violin, viola, 'cello, string bass. Study and practice of one or more of the stringed instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

52. BRASS INSTRUMENTS (II).**2 units**

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

53. WOODWIND INSTRUMENTS (I).**2 units**

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

109. CONDUCTING (II).**2 units**

Interpretation and baton technique as applied to choral and instrumental ensembles.

Two one-hour periods per week.

190. PRACTICUM IN MUSIC (I, II).**2 units**

Survey of the field of public school music. Philosophy of music education illustrated by means of practical devices for teaching such phases as rhythmic interpretation, toy-symphony orchestra, correction of tone deficiency, rote singing, sight reading, and creative expression.

Two one-hour periods per week.

192. MUSIC APPRECIATION METHODS (I)**3 units**

Organization of materials and procedure for teaching music appreciation in the elementary schools.

Three one-hour periods per week.

199. NORMAL COURSE IN PIANO PEDAGOGY.

Credit will be arranged on basis of number of lessons taken.

The Normal Course is for those who intend to teach piano and for teachers who wish to become more efficient and better acquainted with modern pedagogy.

This course will be given in a series of lectures accompanied by demonstrations of technical points involved.

MUSICAL ORGANIZATIONS

5A, B. WOMEN'S GLEE CLUB (I, II). $\frac{1}{2}$ unit

This course affords opportunity for the study of three- and four-part choral compositions, voice development, interpretation, building repertoire, and public appearance. Lower and upper division credit given.

Two one-hour periods per week.

6A, B. MEN'S GLEE CLUB (I, II). $\frac{1}{2}$ unit

This course affords opportunity for study of four-part choral compositions, voice development, interpretation, public appearance, and building well balanced programs. Lower and upper division credit given.

Two one-hour periods per week.

7A, B. A CAPPELLA CHOIR (I, II). 1 or 2 units

The a cappella choir members are chosen by the director from the best voices in the men's and women's glee clubs. The choir presents several concerts before the public each year. Lower and upper division credit given.

Two two-hour periods per week.

10A, B. ORCHESTRA (I, II). $\frac{1}{2}$ unit

The orchestra affords qualified students an opportunity for study of good orchestral composition, and learning to play with good interpretation and finish and precision. Outside practice is necessary. For advanced students upper division credit will be given.

One two-hour period per week.

APPLIED MUSIC

One unit of credit will be given for one-half hour lesson per week and the necessary practice for the lesson.

Piano—Mr. Nicholls	----- (4 in class)	\$2 50
Private Piano	----- an hour	10 00
Private Piano	----- half-hour	5 00
Violoncello	-----	-----
Violin—Mrs. Miller	-----	1 25
Voice—Mr. Jeffers	-----	1 50
Mrs. Ostrander	-----	1 50
Band and Orchestra Instruments	-----	-----

The fees are for half-hour lessons except in piano.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Every student is required to take Hygiene, and every student carrying 12 or more units of work is required to take Physical Education unless excused by the Director of Health Service and Physical Education. This activity requirement is administered on the basis of two one-hour periods per week.

Freshmen men are required to take P.E. 50A, and freshmen women P.E. 52A. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Courses for Men**50A. FRESHMEN PHYSICAL ACTIVITIES (Required) (I, II).** $\frac{1}{2}$ unit

This course consists of a program of games such as touch football, basketball, volleyball, handball, and playground baseball. Some games of simpler type, and elements of tumbling are included.

50B-D. PHYSICAL ACTIVITIES (I, II). $\frac{1}{2}$ unit**62A-H. ATHLETICS (I, II).** $\frac{1}{2}$ or 1 unit

(1 unit per semester for first year.)

Football and basketball (fall semester).

Basketball, baseball, track and field (spring semester).

71. BOXING (I). $\frac{1}{2}$ unit**192A. METHODS IN COACHING (I).**

2 units

Football, soccer, speedball, and basketball.

Two one-hour periods per week.

192B. METHODS IN COACHING (II).

2 units

Baseball, track and field, and tennis.

Two one-hour periods per week.

Courses for Women**52A. FRESHMEN PHYSICAL ACTIVITIES (Required) (I, II).** $\frac{1}{2}$ unit

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills such as run-

ning, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body functions or normal body mechanics.

61A-B. NATURAL DANCING (I, II). $\frac{1}{2}$ unit

63A. FIELD HOCKEY AND VOLLEYBALL (I). $\frac{1}{2}$ unit

63B. BASKETBALL, BASEBALL, AND SPEEDBALL (II). $\frac{1}{2}$ unit

80. THEORY OF RHYTHMS (I). 1 unit

A study of the dance field. Consideration of all types of rhythmic work for elementary and secondary schools. Educational program possibilities. One one-hour period per week.

193A. METHODS IN COACHING (I). 2 units

Field hockey, soccer, speedball, volleyball, handball.
Two one-hour periods per week.

193B. METHODS IN COACHING (II). 2 units

Basketball, baseball, tennis, track and field.
Two one-hour periods per week.

Courses for Men and Women

2. HYGIENE (I, II). 2 units

An informational course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

54A-D. RESTRICTED ACTIVITIES (I, II). $\frac{1}{2}$ unit

Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.

Two one-hour periods per week.

60A-B. CLOG AND TAP DANCING (I, II). $\frac{1}{2}$ unit

64A-C. TENNIS (I, II). $\frac{1}{2}$ unit

66A-C. ARCHERY (I, II). $\frac{1}{2}$ unit

69A-B-C-D. INDIVIDUAL SPORTS (I, II). $\frac{1}{2}$ unit

A-B—Badmington, deck tennis, paddle tennis, table tennis, horseshoes.

C—Boxing.

D—Fencing.

70. GOLF. $\frac{1}{2}$ unit

100. FREE PLAY ARCHERY, FREE PLAY GOLF, FREE PLAY
HANDBALL, FREE PLAY TENNIS, or FREE PLAY
BADMINTON. (I, II). $\frac{1}{2}$ unit

Open to senior students who have had previous instruction in the activity and who are approved by the staff.

190B. METHODS IN SINGING GAMES AND FOLK DANCES
(I, II).

$\frac{1}{2}$ unit

Participation in and conduct of singing games and folk dances suitable for children of the elementary school and junior high school.

190C. ADVANCED FOLK DANCING (II).

$\frac{1}{2}$ unit

Recreational folk dancing. Prerequisite: P.E. 190B.

151. APPLIED KINESIOLOGY AND METHODS IN CORRECTIVE PHYSICAL EDUCATION (I).

4 units

The combined course includes a study of the anatomy of muscles, bones, joints, and the nervous system as a basis for understanding bodily movement in exercise and sports; the principles underlying good body mechanics; the causes, correction and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program, equipment facilities and procedure; the fundamentals and practice of massage. Much of the work is practical. No prerequisites except upper division standing.

Four one-hour periods per week.

175. PRINCIPLES OF PHYSICAL EDUCATION (I).

3 units

The evaluating of the history of physical education, the weighing of current problems in the field, the setting-up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. PRINCIPLES OF COMMUNITY RECREATION (I).

2 units

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

195. METHODS IN HEALTH EDUCATION (II).

2 units

A study of the principles underlying Health Education as a school program rather than as a teaching subject. Stress is laid on the organization and administration of the health service program as well as on methods in health teaching.

Two one-hour periods per week.

198. CONFERENCE ON SECONDARY SCHOOL PHYSICAL EDUCATION (II).

2 units

199. PRACTICUM IN PHYSICAL EDUCATION (I, II).

$1\frac{1}{2}$ units

The organization of the physical education program in Grades I through VIII.

One class hour, two activity hours, and one observation hour per week.

SOCIAL SCIENCE**Economics****1A. PRINCIPLES OF ECONOMICS (I, II). 3 units**

The evolution of modern capitalistic industry; followed by a more intensive study of our present economic organization and of the economic laws governing value and price.

Three one-hour periods per week.

1B. PRINCIPLES OF ECONOMICS (II). 3 units

A continuation of course 1A, dealing with the distribution of wealth and income, government finance, labor problems, and proposed methods of reform of our economic system.

Three one-hour periods per week.

11. ECONOMIC AND SOCIAL HISTORY OF THE UNITED STATES (I, II). 3 units

From the period of colonization to the present day. The course attempts a study of the interaction between economic factors and the social and political conditions and institutions in the United States. Prerequisite: Economics 1A.

Three one-hour periods per week.

135. PRINCIPLES OF MONEY AND BANKING (I). 3 units

A study of the nature and function of money and credit followed by a study of the structure and functions of the most important financial institution in American economic society. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

150. LABOR ECONOMICS (I). 3 units

A survey of modern labor conditions followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

188. CONTEMPORARY ECONOMIC AND SOCIAL PROBLEMS (II). 3 units

Selected problems of vital importance today: changes brought about by the new technology; unemployment and plans for social insurance; and recent tendencies in economic planning. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

189. SOCIAL AND ECONOMIC ASPECTS OF IMMIGRATION (II). 3 units

A brief survey of the history of immigration into the United States followed by a more comprehensive study, both qualitative and quantitative.

tive, of recent tendencies. Prerequisite: 6 units of lower division Economics.

Three one-hour periods per week.

195. PRINCIPLES OF INTERNATIONAL COMMERCE (II).

3 units

A study of the theory of international trade, balance of trade and payments, foreign exchanges and foreign trade financing, international debts, government control and direction of international trade. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

Geography

1. ELEMENTS OF PHYSICAL GEOGRAPHY (II). 3 units

The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.

Three one-hour periods per week.

2. CULTURAL AND REGIONAL GEOGRAPHY (I, II). 3 units

A brief study of the physical environment as the home of man followed by a more intensive study of human activities as affected by this environment, supplemented by class reports on geographical regions.

Three one-hour periods per week.

History

4A. HISTORY OF WESTERN CIVILIZATION (I, II). 3 units

The cultural, religious, institutional, political, and economic foundations of modern European history; a rapid survey of ancient, medieval, and modern history to the eighteenth century.

Three one-hour periods per week.

4B. HISTORY OF WESTERN CIVILIZATION (I, II). 3 units

The strategic, political, economic, and cultural foundations of contemporary European and world history, with emphasis upon international relations. The course covers the period from the eighteenth century to the present.

Three one-hour periods per week.

146. CONTEMPORARY EUROPE (II). 3 units

Europe since 1870; the immediate causes of the World War; new Europe since 1914; contemporary international relations.

Three one-hour periods per week.

153. ENGLAND UNDER THE TUDORS AND STUARTS, 1485-1714 (I).

3 units

The strong monarchy, the reformation, the early Stuarts, the Puritan Revolution, the Civil War, Cromwell, the Restoration, the revolution of

1688, and the rise of the English colonies. Prerequisite: 6 units of lower division History.

Three one-hour periods per week.

155. HISTORY OF THE BRITISH EMPIRE SINCE 1750 (II).

3 units

The older overseas empire and its transformation; the empire after 1873; the rise, federation, and imperial relations of the dominions, the crown colonies; India under British rule. Prerequisite: 6 units of lower division History.

Three one-hour periods per week.

165A-165B. HISTORY OF MODERN EUROPEAN EXPANSION

(I, II).

3-3 units

The growth of colonial empires after 1492; motives, rivalries, and policies of expansionist nations in the occupation and exploitation of dependent areas; the growth of administrative methods. Prerequisite: 6 units of lower division History.

Three one-hour periods per week.

189. HISTORY OF THE PACIFIC COAST (I).

3 units

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

Philosophy

5A. INTRODUCTION TO PHILOSOPHY (I).

3 units

An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources including the philosopher poets and contemporary writers.

Three one-hour periods per week.

5B. INTRODUCTION TO PHILOSOPHY (II)

3 units

A special consideration of the basic problems of philosophy including historical references to solutions presented in the past. Lectures, reading, and discussions with appropriate tests.

Three one-hour periods per week.

Political Science

1A. COMPARATIVE GOVERNMENT.

3 units

The political organization of Great Britain and her self-governing dominions, of France, Belgium, and Italy; cabinet systems, parliamentary and judicial organization; political parties. (Not offered 1936-1937.)

Three one-hour periods per week.

1B. COMPARATIVE GOVERNMENT.**3 units**

This is a continuation of course 1A, dealing with similar features in the governments of Switzerland, Germany, Russia, Japan, and the United States. (Not offered 1936-1937.)

Three one-hour periods per week.

151. AMERICAN NATIONAL GOVERNMENT (I, II)**3 units**

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Three one-hour periods per week.

Psychology**1. GENERAL PSYCHOLOGY.****3 units**

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

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HUMBOLDT STATE COLLEGE BULLETIN

Volume XXII, No. 4

June 1, 1937

CIRCULAR OF INFORMATION

COLLEGE YEAR, 1937-1938



ARCATA, CALIFORNIA

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SACRAMENTO, 1937

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OF THE
UNIVERSITY OF ILLINOIS



COLLEGE ENTRANCE

HUMBOLDT STATE COLLEGE BULLETIN

CIRCULAR OF INFORMATION

COLLEGE YEAR 1937-1938

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and for General College Work

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NO. 100000 OF THE
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UNIVERSITY OF ILLINOIS

INTRODUCTORY

CALENDAR, 1937-1938

Fall Semester 1937

Monday, September 13-----English A Test, 10 a.m.
Monday, September 13-----Freshman Registration, 1 p.m. to 5 p.m.
Tuesday, September 14-----General Registration, 9 a.m. to 5 p.m.
Wednesday, September 15-----Instruction begins
Thursday, November 11-----Armistice Day
Thursday, November 25, to Sunday, November 28-----Thanksgiving recess
Saturday, December 18, to Sunday, January 2-----Christmas holidays
Monday, Tuesday, Wednesday, Thursday, January 24-27-----
-----Semester examinations

Spring Semester 1938

Monday, January 31-----English A Test, 9 a.m.
Monday, January 31-----General Registration, 9 a.m. to 5 p.m.
Tuesday, February 1-----Instruction begins
Saturday, April 9, to Sunday, April 17-----Spring vacation
Monday, May 30-----Memorial Day
Monday, Tuesday, Wednesday, Thursday, June 6-9-----
-----Semester examinations
Friday, June 10-----Commencement

Summer Session 1938

Six weeks -----June 20 to July 29
Term 1A-----June 20 to July 8
Term 1B-----July 11 to July 29

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HUMBOLDT STATE COLLEGE
 Administered Through
 the
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LEO G. SCHUSSMAN	Director of Teacher Training
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MAURICE HICKLIN	Director of News Service

FACULTY

GIST, ARTHUR S., M.A.

PRESIDENT

B.Ed., M.A., University of Washington; additional graduate study, University of California, Columbia University. Director Teacher Training, San Francisco State Teachers College; Summer Session Faculty, University of Washington, University of Utah, George Peabody College for Teachers, University of California, University of Southern California, University of Texas. Author: "Elementary School Supervision"; "Administration of an Elementary School"; "Clarifying the Teacher's Problems"; "Administration of Supervision"; "The Teaching and Supervision of Reading" (co-author); "New Stories from Eskimo Land" (co-author). Editor of Yearbooks, Department of Elementary School Principals, National Educational Association.

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A.B., Linfield College; graduate study, University of Oregon. Graduate teaching assistant, Department of English, University of Oregon; Secretary to Superintendent of Schools, Longview, Washington; Secretary to the President, Humboldt State College, San Francisco State College; Secretary, Bureau of Appointments, University of Washington; Secretary to Superintendent of Schools, Pullman, Washington.

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A.B., Mills College; M.A., Columbia University. Assistant in Physical Education, Mills College; Mills College Field Hockey and Sports Camp; Summer Session Faculty in Physical Education, University of Virginia; Instructor in Physical Education, Occidental College.

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A.B., University of Washington; M.A., University of Chicago. Teacher in elementary schools, Spokane, Washington. Author: "Plans and Activities for the Primary Grades"; "Activities in Progressive Education."

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A.B., M.A., Washington State College; additional graduate study, University of California, Leland Powers School of the Spoken Word (Boston), University of Oregon, Stanford University; European study and travel. Instructor in English, Washington State College; Associate Professor of English, Michigan State Normal College, Ypsilanti.

GARVIN, HELEN M., M.A.

ASSOCIATE PROFESSOR OF MUSIC

A.B., College of Pacific; M.A., Mills College; additional training, Northwestern University, Oberlin Observatory, Eastman School of Music, University of Oregon, Chicago Musical College. Supervisor of Music, public schools: Pittsburgh, Pa.; Duluth, Minn.; Modesto, California. Instructor in Music and Supervisor of Music Student Teachers, Mills College.

GRAVES, C. EDWARD, A.B.

LIBRARIAN

A.B., Wesleyan; New York State Library School. Instructor, Wesleyan University; Assistant, University of Illinois Library; Librarian, Minnesota Historical Society.

HADLEY, MONICA W., M.S.

ASSISTANT PROFESSOR OF PHYSICAL EDUCATION

B.S., M.S., University of Washington. Teaching Fellow in Physical Education, University of Washington.

HICKLIN, MAURICE, M.A.

DEAN OF LOWER DIVISION AND PROFESSOR OF ENGLISH

A.B., University of Missouri; B.J., School of Journalism, University of Missouri; M.A., Stanford University. Graduate teaching assistant, University of Missouri; Instructor, University of Washington; Graduate teaching assistant, Stanford University; Summer Session Faculty, University of California at Los Angeles.

HOWE, J. WENDELL, M.A.

ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

B.S., Oregon State College; M.A., Stanford University; additional graduate study, University of California, University of Chicago, Hopkins Marine Station, University of Michigan, University of Washington. Author botanical papers.

JEFFERS, EDMUND V., M.Mus.

ASSOCIATE PROFESSOR OF MUSIC

B.M. Ed., Illinois Wesleyan University, Bloomington; M. Mus., Bush Conservatory, Chicago. Studied voice with Theodore Harrison and composition with Jeanne Boyd; studied choral technic and interpretation with Father Finn.

JENKINS, HORACE R., M.S.

PROFESSOR OF INDUSTRIAL ARTS

Graduate, Central State Teachers College, Oklahoma, four-year Classical Course and three-year Art and Shop Course; additional

study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University; B.S., M.S., Oregon Agricultural College. Assistant in Art, Oklahoma State Teachers College; practical experience in the trades and industries; experience as owner and manager of a commercial pottery shop.

JOHNSON, ADELLA, M.A.

ASSOCIATE PROFESSOR OF MODERN LANGUAGES

A.B., University of Minnesota; M.A., University of Washington; additional graduate study, University of Washington, Stanford University, Columbia University, University of Minnesota, University of Paris, France. Travel in Europe with Intercollegiate French School. Teaching Fellow in French, University of Washington; Instructor in French and Latin, State Teachers College, Spearfish, South Dakota.

LITTLE, STELLA SANKEY, M.A.

PROFESSOR OF ART

A.B., Stanford University; graduate study, Stanford University, University of California; study of masterpieces in art in various art galleries of Europe; M.A., and Fine Arts Supervision Certificate, Columbia University; Summer Session, Eugene, and Post Session, Alaska, University of Oregon; Summer Session, University of Oregon. Summer faculty in Art, San Jose State Teachers College; Instructor in Art, Stanford University.

MACGINITIE, HARRY D., Ph.D.

ASSOCIATE PROFESSOR OF PHYSICAL SCIENCE

A.B., Fresno State Teachers College; Ph.D., University of California. Research worker, American Museum and Lecturer University of Colorado. Author: "The Trout Creek Flora of Southeastern Oregon."

PLATT, IMOGENE B., A.B.

ASSISTANT PROFESSOR OF ENGLISH

A.B., University of Washington; graduate study, University of Washington, Stanford University. Registrar, Humboldt State Teachers College.

POULTNEY, ROBERT H., M.S.

PROFESSOR OF BIOLOGICAL AND PHYSICAL SCIENCE

B.S., Cornell University; M.S., Utah Agricultural College; additional graduate study, Hopkins Marine Station, Stanford University, University of California, University of Chicago. Instructor, Rutgers College, New Jersey; Head of the Department of Biology and Nature Study, Southern Branch, University of Idaho, Pocatello, Idaho.

PURYEAR, VERNON J., Ph.D.

PROFESSOR OF SOCIAL SCIENCE

A.B., Baylor University; M.A., University of Missouri; Student, Harvard University; research in England and France; Ph.D., University of California. Instructor, University of Missouri; Teaching Fellow, University of California; European Research Fellow of the Social Science Research Council; Summer Session faculty, University of Oregon, Miami University; Professor of History and Political Science, Albany College. Author: "England, Russia, and the Straits Question, 1844-56" (awarded Herbert Baxter Adams prize of the American Historical Association for 1931); "International Economics and Diplomacy in the Near East"; and research articles on European diplomatic and commercial history.

SCHUSSMAN, LEO GEORGE, M.A.

PROFESSOR OF EDUCATION AND PSYCHOLOGY

Graduate of Oshkosh Normal School; Ph.B., University of Chicago; M.A., University of Wisconsin; additional graduate study, Stanford University, University of Wisconsin. Elementary and high school teacher; Elementary school principal; Superintendent of Schools; Principal, Outagamie County Normal School, Wisconsin; Director of Summer Session, Humboldt State Teachers College, 1925; Summer Session Faculty, Fresno State Teachers College.

SHOLTY, MYRTLE, M.A. PROFESSOR OF EDUCATION AND PSYCHOLOGY

Ph.B., University of Chicago; M.A. Teachers College, Columbia University; additional graduate study, Columbia University, Ohio

State University. Elementary school teacher, Wabash, Indiana; Primary Critic, State Normal School, Stevens Point, Wisconsin; Primary Critic, State Teachers College, Moorhead, Minnesota; Sixth Grade Critic, School of Education, University of Chicago; Primary Supervisor and Extension Worker, State Normal School, Ellensburg, Washington; Primary Supervisor, Boise, Idaho; Elementary Supervisor, Spokane, Washington; Upper Grade Supervisor, State Teachers College, Santa Barbara, California. Author: "The Teaching of Beginning Reading", "Course of Study in Reading."

STRUVE, LOUISE C., M.A.

DEAN OF WOMEN AND ASSOCIATE PROFESSOR OF HOME ECONOMICS

A.B., Mills College; M.A., Teachers College, Columbia University; additional graduate study, Oregon State College, Pratt Institute; Dietitians' Course, Fifth Avenue Hospital, New York City. Assistant Professor of Clothing, Oregon State College.
(On leave of absence 1937-38.)

TELONICHER, FRED, A.B.

ASSISTANT PROFESSOR OF PHYSICAL EDUCATION

A.B., Fresno State Teachers College; Graduate study, Stanford University; European travel.

WILSON, BERT F., M.A.

PROFESSOR OF COMMERCE

M. Accts., B.S., B.D., Western Normal College (Iowa); M.A., Stanford University; graduate study, Universities of California and Washington. Principal, Shenandoah Commercial Institute, Shenandoah, Iowa; ten years an Iowa banker.

WILSON, GARFF BELL, M.A.

MEN'S ADVISER AND ASSOCIATE PROFESSOR OF SPEECH

A.B., M.A., University of California; travel and study in Europe; member of International Speaking Tour of the English Universities, 1930; student and actor at the Pasadena Community Playhouse, summers of 1934, 1935, 1936. Private class in Public Speaking and Dramatics, Los Angeles; Teaching Fellow, Department of English, University of California; Production Manager, Greek Theater Plays, University of California; Summer Session Faculty, San Diego State College.

WOODCOCK, JESSIE TURNER

FINANCIAL SECRETARY

Graduate Humboldt State Teachers College. Postal clerk; book-keeper.

Part-Time Instructors

GIDDINGS, FRANCES, M.A.

LECTURER IN EDUCATION

A.B., University of California; M.A. and Professional Diploma in Supervision of Kindergarten and Elementary Grades, Columbia University; additional graduate study, University of Southern California. Teacher and Supervisor of Kindergarten-Elementary Grades; Kindergarten-Primary Supervisor of Training and Instructor in Education, University of California at Los Angeles; Instructor in summer sessions: Northern Arizona State Teachers College, University of Nevada, University of Iowa, Milwaukee State Teachers College; Rural Supervisor of Mendocino County; Vice-Principal and Supervisor of Fort Bragg Union District Schools.

GILLESPIE, DORIS KILDALE, Ph.D.

LECTURER IN BIOLOGICAL SCIENCE

A.B., M.A., Ph.D., Stanford University. Teaching Assistant, Botany and Biology, Stanford University; Instructor in Science, Humboldt State Teachers College; Research, Gray Herbarium, Harvard University; Assistant Professor of Science, Arizona State Teachers College, Tempe, Arizona.

JACKSON, ROWENA FAYE

INSTRUCTOR IN PIANO

Studied piano and harmony with Katherine A. Rood and Hans Bruening; studied pipe-organ, piano and composition with Dr. Clarence E. Shepard; graduate Grafton Hall School of Music. Graduate teacher in normal methods in piano and harmony, Carrol College; for ten years assistant to Dr. Clarence Shepard at Grafton Hall with classes accredited at University of Wisconsin in piano, harmony, history of music and music analysis; teacher of private classes in piano, pipe-organ, harmony; accredited high school teacher of piano in California.

LEONARD, FREDERICK R., M.A.

LECTURER IN EDUCATION

A.B., Park College, Missouri; M.A., University of Missouri; additional graduate study, Stanford University. Assistant in Chemistry, Park College; Principal, Carl Junction High School, Missouri; Superintendent of Schools, Amity and Braymer, Missouri; Rural Supervisor of Schools, Mendocino County.

TAYLOR, JOHN W., A.B.

LECTURER IN EDUCATION

A.B., University of California; graduate work, Stanford University. Assistant Instructor in Public Speaking, Stanford University; County Superintendent of Schools, Mendocino County.

Teachers In College Elementary School

GIUNTINI, UGO, A.B.

PINKERTON, NENE B., A.B.

WILLIAMS, DOROTHY E., A.B.

FACULTY COMMITTEES—1937-1938**Advanced Standing**

President Gist
Mr. Hicklin
Miss Platt

Assembly

Mrs. Hadley, Chr.
President Gist
President Student Body
Mr. Jeffers
Mr. Garff Wilson

Curriculum

President Gist
Chr., Educ. Group
Head of Department concerned

Health

Miss Craig, Chr.
Dr. Balabanis
Miss Ballew
Mr. MacGinitie

Honor Awards

Mrs. Folsom
President Gist
Dr. Puryear

Placement

Mr. Schussman, Chr.
Miss Bestor
Miss Dickson
President Gist

Recreation and Social Life

(Faculty)
Miss Bestor
Mrs. Little
Mr. Telonicher
Mrs. Woodcock

Registration

President Gist
Mr. Hicklin
Miss Platt

Scholarship

Dr. Balabanis
Miss Dickson
President Gist
Mr. Hicklin
Miss Johnson
Miss Platt

Student Affairs

Dr. Balabanis
Miss Ballew
Miss Craig
Two Students

Student Employment

Miss Ballew
President Gist
Mr. Garff Wilson
Mrs. Woodcock

Student Loans

Mr. Arnold
Mr. Poultney
Miss Sholty
Mr. Bert Wilson

GENERAL INFORMATION

The chief purposes of Humboldt State College are as follows:

1. To train teachers and administrators for the kindergarten, elementary, and junior high school grades.
2. To offer four of the five years of college work required for high school teaching.
3. To give four years of cultural liberal arts work for those desiring the A.B. degree.
4. To give the preliminary years of liberal arts college work now demanded of students before they take the specialized training offered by universities for many of the professions, such as agriculture, dentistry, engineering, forestry, law, medicine, nursing, and pharmacy.
5. To give lower division work in liberal arts and commerce for students who plan to major in either of these fields at some other college or university.
6. To give the first two years for the A.B. degree in music.
7. To give certain terminal courses for students who desire one or two years of college work in certain fields before entering business.

The College offers the following curricula:

I. Professional Courses

- A. Elementary Credential Course
- B. Junior High School Credential Course
- C. Kindergarten-Primary Credential Course
- D. Physical Education Credential Course for Elementary, Junior High School, and Senior High School
- E. Combinations
 1. Elementary and Junior High School
 2. Elementary-Kindergarten-Primary
 3. Elementary-Physical Education
 4. Junior High School-Physical Education

- II. Pre-Secondary and Liberal Arts Degrees (A.B.) in
 - A. Allied Arts
 - B. Biological Science
 - C. English
 - D. Social Science
- III. Bachelor of Education Degree
(Not a credential course)
- IV. Pre-Professional Courses
 - A. Agriculture
 - B. Dentistry
 - C. Engineering
 - D. Forestry
 - E. Law
 - F. Medicine
 - G. Music
 - H. Nursing
 - I. Pharmacy
- V. Lower Division Liberal Arts and Commerce Courses
- VI. Commercial Courses

ADMISSION REQUIREMENTS

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's or quarter's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students, but such persons may be granted full matriculation only upon the removal of all deficiencies and upon the completion of one full semester's or quarter's satisfactory college work in the chosen curriculum.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

Admission With Advanced Standing

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State College authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

Matriculation in Other Institutions

Courses taken at Humboldt are evaluated credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at

the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our presecondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The University of California Graduate Division finds that it is rarely, if ever, possible for a graduate with the A.B. degree from any institution to receive the high school credential and also the master's degree in one year.

GENERAL REGULATIONS FOR STUDENTS

Registration

In order to have plenty of time to discuss with each student his special needs and to insure guidance by those qualified, whenever possible the College registers each student several weeks in advance under a faculty adviser who is especially qualified to confer with students regarding their course of study.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the term.

Students will meet at the College on the appointed days to complete formal registration and to pay all fees. Students registering after the appointed date are required to pay a late registration fee of \$2. Students registering late must make special arrangements with the administration and the faculty concerned.

Changes in registration made subsequent to the regular day of registration must be approved by the faculty adviser and the faculty members concerned.

English A

An examination in English fundamentals, known as the "English A" examination, is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in "English A" in some other college are required to take this examination; those who fail will be enrolled in the non-credit course in "English A."

College Aptitude Test

All new students are required to take the college aptitude test, notice for which will be given early in the semester.

Health Service and Examination

In order to safeguard the health of the students the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At

least three medical examinations are given each student, as follows:

- (1) At entrance (including a dental examination).
- (2) Prior to teacher-training work.
- (3) Before graduation.

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is being provided at special rates.

Physical Education

Every student carrying 12 or more units is required to take physical education unless excused by the Director of Health and Physical Education.

Orientation

An orientation course, meeting every other week, is required of all freshman students. This course provides an opportunity for analysis and discussion of college problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, and matriculation in other institutions, and also for planning and conducting group activities for recreation and self-improvement.

Student Programs

Semester Unit

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation per week for eighteen weeks with two hours of preparation for each recitation. It may be administered as three recitations per week for eighteen weeks without outside preparation.

Normal Program

Fifteen or sixteen units of work in addition to a half unit activity in physical education constitute an average program for a semester. According to the definition of semester unit given above this means forty-eight hours of actual work each week.

Variation from the normal program may be permitted by the student's adviser, such permission to be based on the demonstrated ability of the student, measured in terms of his "index of scholarship." The following chart is used as the

basis for granting petitions for programs which vary from the normal program :

<i>Index of scholarship</i>	<i>Student load for following semester</i>
1.75 and above-----	18½ units
1.25-1.74-----	17½ units

The adviser secures a health statement from the Health Department for all students who apply for more than 16½ units of work.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

A student registered for six or more units is classified as a regular student.

Scholarship Index

The Scholarship Index is the honor-point average and gives the average scholarship of the student. It is derived by dividing the total number of honor points earned by the total number of registered units.

Course Numbers

Lower Division

Lower division courses are introductory and survey courses which compose the first and second years of the curriculum. They are numbered from 1 to 99, inclusive.

Upper Division

Upper division courses are advanced courses in a department of instruction that has been pursued in the lower division, or they may be advanced work of such difficulty as to require the maturity of upper division students. They are numbered 100 or above.

The general prerequisite for all upper division courses is sixty semester units.

Classification of Students

Students having less than 30 semester units of credit are classified as freshmen. Those having from 30 to 59 semester units are classified as sophomores; those having from 60 to 89 units are classified as juniors; and those having 90 or more are classified as seniors.

Marking System

Grades

A five-point marking system is used, A, B, C, or D, indicating a passing grade, and F meaning failure. Plus (+) as given in certain courses, means "passed" without definite grade except in physical education, where it means C or better. Cond., means conditioned; Inc., incomplete; W., withdrawn.

Of the passing grades D may be interpreted as "passing work"; C, "good work"; B, "excellent work"; A, "superior work."

Conditioned work may be made up by passing a sequence course during the following semester or by passing a special examination not later than the sixth week of the following semester. When conditioned work is made up, the grade becomes a D; otherwise it automatically becomes F.

All incomplete courses must be made up within one year.

Honor Points

The passing grades carry the following honor points: A, 3 honor points per semester unit; B, 2 points per unit; C, 1 point per unit; D, no honor points; +, 1 point per unit; F, — 1 point per unit.

Reports

At the end of the semester reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having special difficulties in certain subjects are periodically interviewed by the President.

Scholarship Regulations

Graduation Requirements

The degree of Bachelor of Arts is granted upon completion of a curriculum approved by the college; 124 semester units, including 24 semester units completed in residence, are minimum requirements.

A general scholarship average of "C" is required for graduation from any curriculum of the College.

A general scholarship average of "C," together with an average of "C" in both minors is required for graduation from the General Junior High School curriculum.

Student Teaching Requirements

The requirements for student teaching are as follows:

1. Scholarship average of "C."
2. Fulfillment of teacher-training requirements in fundamentals.
3. Desirable personal qualities.
4. Physical fitness.

A grade of "C" or better is required in student teaching in every field for which a credential is granted by the College.

Students who do not receive a grade of "C" in student teaching and who wish to do more work in this field, will be marked incomplete at the close of their first semester's work.

Students are limited to two semesters' trial for a grade of "C" in student teaching.

NOTE.—The "C" average applies to students enrolling in Teaching I and Curriculum Activities, since it is not good for students to have a lapse between Curriculum Activities, Teaching I, and Teaching II.

Withdrawal from Courses

A student dropping a course with official approval during the first six weeks of any semester will not have that course reported or charged against his record for that semester.

During the second six weeks of any semester, a student may be permitted to drop a course without prejudice to his record in case this is done with the approval of an advisory committee, such approval to be based presumably upon considerations of health, outside work, or other matters for which the student is not held culpable. Otherwise, the dropping of the course during this interval will be recorded as a failure.

During the final six weeks of any semester, the dropping of a course will result in a record of failure or incomplete, depending upon whether the work had been of passing grade up to the time of withdrawal.

Withdrawal From College

Upon petition an honorable dismissal or an indefinite leave-of-absence may be granted to any student in good standing provided arrangements have been made with the faculty adviser and the Recorder.

Students who discontinue their work without formal petition for leave-of-absence do so at the risk of incurring failing marks in their subjects and at the risk of having their registration privileges curtailed or entirely withdrawn.

Probation

Students whose scholarship is low are subject to probation. Scholarship average during the probationary semester must be satisfactory. Each case is considered individually upon its merits.

Disqualification

Students whose scholarship average for any semester falls below a "D" average are subject to disqualification. Students whose personal conduct is unsatisfactory may be disqualified by faculty action at any time.

Disqualified students may apply to the faculty for re-admission after a semester has passed. This application must be accompanied by evidence of serious desire to do better work.

Class Attendance

A student will be permitted to enter upon the study of any subject only when the instructor in charge is satisfied that the student is competent to undertake it. Any member of the faculty may exclude from his course any student who has neglected the work of the course or has been discourteous.

The college believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should secure the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Participation in Extra-curricular Activities

Participation in extra-curricular activities conducted by the Humboldt State College is subject to regulation by the department concerned and the administration.

Fundamentals

All students in the teacher-training courses are required to show an everyday working knowledge of the fundamental

subjects in the elementary curriculum—English, grammar, arithmetic, history, geography, and spelling. Necessity for doing work in fundamentals will be evidenced by illegible writing, misspelled words, poor sentence structure in written work in any of the college courses, and by standardized tests and measurements which will be given during the sophomore or junior year to all candidates for student teaching.

Students whose skill in the fundamentals is not satisfactory must bring their work up to standard before they will be permitted to enroll for student teaching. This may be done by independent study or by enrolling in the fundamentals course which gives a thorough review of the required subject matter.

A second examination in the fundamentals may be given to all students before graduation.

Candidacy for Graduation

Students should notify the Dean of their candidacy for graduation not later than the beginning of the senior year. This notification makes it possible for the student's record to be checked and for the student to be notified if current programs do not fulfill graduation requirements. Failure to make proper application may cause a delay in graduation.

Extension Credit

Extension work taken in other institutions is allowed only up to ten per cent of the total course requirement.

STUDENT EXPENSES

Living Arrangements

Living arrangements for all students must be approved by the College administration. A list of approved rooms is provided by the Financial Secretary.

All lower division women students whose homes are outside of Arcata and Eureka are required to live at Sunset Hall, the dormitory, unless special arrangements have been made with the Dean of Women by the parents. It is advisable for upper division women also to reside at Sunset Hall. A few men students are housed in a separate unit of the dormitory.

Sunset Hall is in charge of the Dean of Women under the direction of the President. A most wholesome family spirit prevails. This hall is provided with a pleasant living

room which is the center for many pleasant social gatherings. Improvements each year are making the dormitory more comfortable and more attractive.

Rooms at Sunset Hall are rented for the semester at the rate of \$5 a month when two occupy the same room. Single rooms are rented at \$10 a month. Students furnish all bedding and linen, including mattress protector and towels. Rooms are rented for the entire semester. Any student who finds it necessary to leave the dormitory during the semester should first consult the Dean of Women and then submit two weeks' notice to the Financial Secretary.

It is important that the College have correct local addresses for all students. These addresses are kept in the office of the Secretary of the President and also in the office of the Recorder.

The College Commons is under the supervision of a trained director. Board, including three meals, is \$25 per month or at the rate of fifty cents for each dinner and twenty-five cents for breakfast, with a reduction of \$1.00 for each week-end not on the campus. The Commons also furnishes noon lunches, cafeteria style, to day students.

FEES

General

(Required of all students taking 6 or more semester units)

Regular semester registration fee-----	\$6 50
Student Body fee per semester-----	5 00
Physical Education fee per semester-----	1 50
Health fee per semester-----	0 75
Hospitalization fee per semester-----	0 25

Special

Registration fee for students taking less than 6 semester units (per unit) -----	2 50
Extension fee per unit-----	5 00
Out of state tuition fee (First semester)-----	75 00
(Subsequent semesters) -----	37 50
Delayed transcript fee-----	1 00
Late registration fee-----	2 00
Diploma fee at graduation-----	2 50
State credential fee-----	3 00

Appointment Service fee (for 5 sets of recommendations) -----	\$1 00
(Additional sets each) -----	0 20
Additional transcripts, each -----	1 00
College Aptitude Test -----	0 25
If not taken at scheduled time -----	1 00
Fundamentals Test -----	0 25
If not taken at scheduled time -----	1 00
Special Examinations—Mid-term -----	0 50
Final -----	1 00

Course Fees

A Cappella Choir -----	0 75
Applied Design -----	1 00
Art Appreciation -----	0 75
Art Structure -----	1 50
Band fee per semester -----	0 50
Biology fee per semester -----	1 00
Botany fee per semester -----	0 75
Chemistry fee per semester -----	5 00
(\$2.50 for breakage, returnable.)	
Clothing -----	1 00
Design -----	1 25
Dramatics -----	0 75
Elementary Crafts -----	1 75
General Psychology -----	0 50
Geology -----	0 50
Glee Club -----	0 75
Graphic Expression -----	1 25
Hostess Course -----	2 00
Lettering and Design -----	2 25
Machine Calculation -----	0 25
Metal Crafts -----	0 50
Orchestra -----	0 75
Ornithology -----	1 00
Photography -----	2 00
Physics fee per semester -----	2 50
Physiology -----	1 00
Piano lessons per month -----	5 00
Pottery fee per unit -----	1 00
Practicum in Art -----	1 25
Violin lessons, each -----	1 25
Voice lessons, each -----	1 50

Summer Session

Woodworking fee per semester-----	\$0 50
Zoology fee per semester-----	1 00
Summer Session registration fee (six weeks)-----	20 00
Registration fee for terms of 3 weeks or less (per week) -----	5 00
Late registration fee-----	2 00
Summer Session lecture and recreation fund-----	0 50
Health and Physical Education fee-----	0 50

Refunds**State Fees**

Regulations formulated by the state.

“Fees shall only be returnable when the student has been refused admission to classes after registration or when through unavoidable circumstances, the student is unable to commence college work. In the latter case the student desiring return of a fee shall make application in writing giving his or her reasons for withdrawal. The return of any fee must be recommended by the College President or his designated representative and only after consideration of the individual case upon its merits.

“Before returning fees, each state college shall submit a list of these fees recommended to be returnable to students, together with a brief explanation, to the Director of Education for his authorization and the approval of the Director of Finance.”

Application for refund of state fees must be made at the time of withdrawal.

Student Body Fees

These fees are not refunded if a student has participated in any student body activity.

Course Fees

As course fees are not collected until the end of the sixth week, when the student has completed all of his possible changes in registration, there will be no refund of such fees.

STUDENT SELF HELP

Opportunities for part-time employment are often available for needy and deserving students. The College employs as

much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janatorial and clerical work. Application for employment should be made to the Financial Secretary before registration.

STUDENT LOAN FUND

General Student Loan Fund

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the President.

Special Student Loan Fund

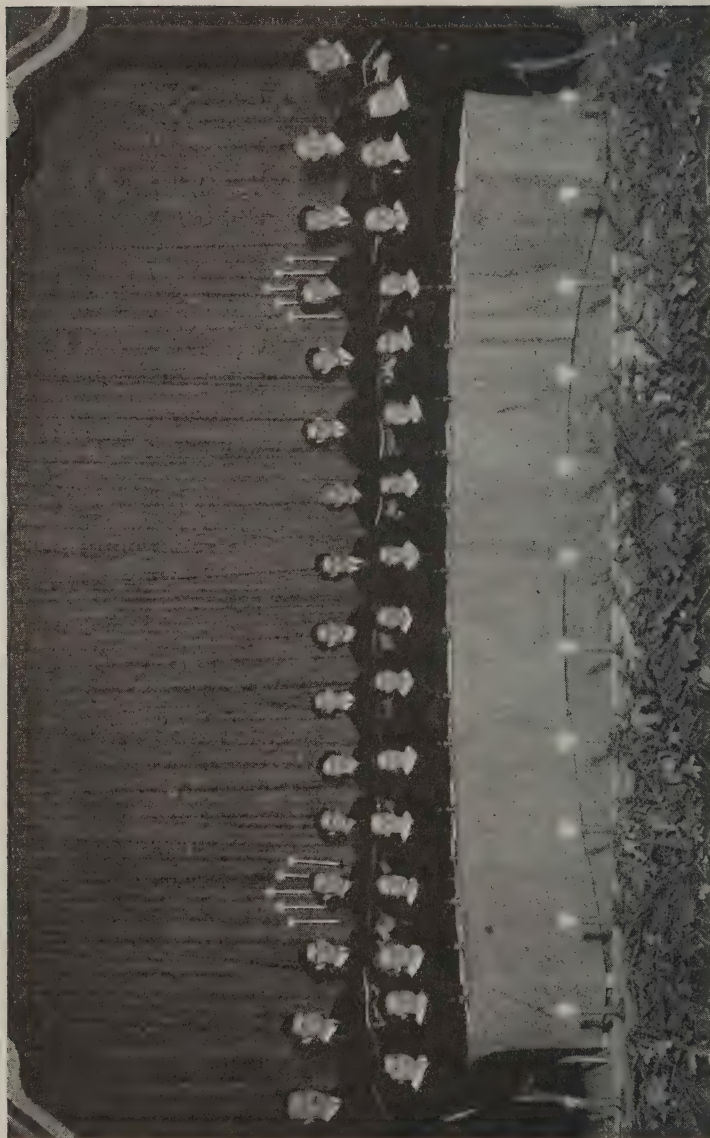
The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student must file his application ten days prior to registration.

The Rotary Club of Arcata has a loan fund available for worthy students upon recommendation of President Gist.

It is advisable for each student to have some funds when he enters college. Unless he has funds for his fees and books or can take up a loan for such expenses early in the semester, he is seriously handicapped financially.

BOOKSTORE

For the convenience of the students, a bookstore is maintained, where college textbooks and supplies may be secured.



HUMBOLDT STATE COLLEGE A CAPPELLA CHOIR

CAMPUS LIFE

HISTORICAL NOTE

The Humboldt State Normal School was created by an Act of the 1913 session of the Legislature of California. Actual work began on April 6, 1914. Under an agreement between the Arcata City Board of Education and the normal school authorities the first sessions were held in the Arcata Grammar School.

A magnificent site of fifty-one acres was donated to the school by W. A. Preston and the Union Water Company. The officers of the latter were N. H. Falk, Len Yocum, Mrs. Arthur Way, and Mrs. Kate Harpst. The 1917 Legislature appropriated \$245,000 for permanent buildings which have been occupied since February, 1922. In 1930 a new gymnasium was added and recently four new modern tennis courts and a new College Elementary School have been built.

The professional course in teacher training was originally two years in length. Gradually it has been extended and combined with liberal arts and cultural subjects until the minimum time to be spent for any teacher's diploma granted at present is four years.

Control of the institution was first vested in a board of local trustees appointed by the Governor. In 1921 it was transferred to the State Department of Education and placed in the hands of the Director of Education and the State Board of Education. The same Legislature changed all of the California Normal Schools to Teachers Colleges. The State Board of Education received the power to authorize them to give four-year courses leading to the Bachelor of Arts degree.

In 1935 the Legislature changed the name to Humboldt State College with authorization to grant the Bachelor of Arts Degree in Letters and Science.

The enrollment has shown a substantial increase, the present enrollment being over 500.

LOCATION

The College is located in the city of Arcata on the north shore of Humboldt Bay. It occupies a dominating position on the top of a hill within twelve blocks of the Plaza, the

center of the city. Backed by still higher forested hills, it commands an almost unrestricted view in three directions. Toward the north, and to the ocean, one looks across the Arcata bottom lands, a rich dairying district, bordered with partly wooded sand dunes. To the west and south, the city of Arcata lies in the foreground, with a stretch of farming land and marsh-land beyond. Beautiful Humboldt Bay comes next in line of vision, separated by a narrow peninsula from the ocean. The city of Samoa on the farther end of the peninsula and Eureka on the opposite side of the bay are in plain sight. The wooded hills beyond are dominated by the high point of Wild Cat Ridge, a rough mountain range separating the valley of the Eel River from the ocean. There is a never-ending variety to this view in the rapidly changing atmospheric conditions. At night-time, with the lights of Arcata in the foreground and those of Samoa and Eureka twinkling in the distance, the picture is especially entrancing.

The cities of Arcata and Eureka are delightful places of residence. Arcata has a population of approximately three thousand and possesses several thriving churches, excellent schools, a free library, a natural park, and a very attractive plaza, a first-class hotel, a fine theater, well-furnished stores—in fact, all that goes to make up a modern up-to-date city. Cape Mendocino, a few miles south of Eureka, is the westernmost point of the mainland of California, and Humboldt has the distinction of being the farthest-west college in the United States.

CAMPUS

There is an extensive lawn, planted with shrubs and small trees, along the whole front of the administration building. Directly across the street from the administration building are four new modern tennis courts for the use of students and faculty. In the rear is an athletic field adjoining the new \$70,000 gymnasium. Back of that, the College owns a considerable piece of second-growth redwood forest, which is being developed by means of trails and clearings into an attractive recreation area.

The Library

The library is located in a suite of rooms on the south side of the inner court. The book collections are arranged on open shelves around the walls of this room and at present contain more than fifteen thousand volumes. The collection

is well distributed among the various classes of books, with provision for a liberal amount of cultural reading.

To supplement its own collection, the library has an arrangement with the California State Library by which books are borrowed from that institution. The library at present has in its magazine collection about one hundred and fifty titles, about half of which are scientific or technical and the others of a general nature.

The College Elementary School

Student teaching is conducted in the college elementary school on the campus and also in the city schools through the cooperation of the Arcata and Eureka school authorities.

The new College Elementary School building houses a kindergarten and an elementary school. It is a commodious building of steel and concrete. In its construction no pains have been spared to make it sanitary, fireproof, and in every possible way an ideal building for a completely graded training school from the kindergarten through the eighth grade. Adjoining the building is a large play field with playground equipment.

RECREATION

The constantly shifting hills of sand which form dunes along the ocean shore extend from North Jetty of the harbor entrance of Humboldt Bay to the mouth of Little River. North of Little River the coastline becomes very rugged and the numerous caves, points, and reefs invite personal exploration. The lighthouse at Trinidad Head and the Blowhole, three miles south of Trinidad, are always interesting places to visit.

An hour's drive northward along the Redwood Highway brings the student to Big Lagoon, a salt-water lake. This lagoon, protected from the strong breakers, forms a safe swimming and boating resort.

A pool on Mad River, a few minutes drive from the campus, is very popular on warm afternoons. Swimming can also be enjoyed at many pools along the Eel River south of Eureka.

Near Arcata are several public and private golf courses where special inducements are made to students.

North Dyerville Flat includes within its borders the tallest tree within the United States. This giant redwood towers some 364 feet above the ground. There are other groves of redwoods along the river which are delightful spots for outings.

STUDENT LIFE

Student Body Government

When a student enters the College, the authorities take it for granted that he has an earnest purpose, studious habits, and is willing to observe a proper standard of personal conduct.

In order to further such aims and to promote wholesome activities, the students are organized into a self-governing body called the Student Service Association.

Through the vested authority of self-government with its attendant responsibility, the students of the College are enabled to gain the practical appreciation of governmental authority as vested in the people, and also the civic understanding which can not help but make them better citizens and community leaders after they leave college to take their place in life. The faculty retains the authority and oversight over certain matters such as Student Body finances and external relations necessitated by sound administrative jurisdiction and general responsibility as provided by law and the best interests of the students.

Board of Control of Student Body

The Board of Control is the student government agency consisting of five members elected every semester by the Student Body, and charged with the responsibility of maintaining high standards of conduct in the College.

Executive Committee of Student Body

The Executive Committee consists of the President, Vice-President, Secretary, Treasurer, and Publicity Manager of the Student Body, the members of the Board of Control, and the President of the College or a faculty sponsor appointed by the President. The duties of this committee are to have charge of school elections, to adjust budgets, to pass on all bills and to see that they are paid, to authorize purchases, to take an inventory of all Student Body property at the end of the school year, to set the amount of dues, and to look after

all Student Body affairs not specifically covered by the Constitution and By-laws.

To assist in developing good habits and thus inculcating the spirit of self-control and self-initiative, the students under the sponsorship of the faculty have established several honor and recreational organizations. Most of these organizations are coordinated through the Student Service Association. Following is a list of such organizations:

Alpha Psi Omega (National Dramatics Fraternity)—Sponsor, Mr. Garff Wilson

Chi Sigma Epsilon (The Scholastic Honor Society)—Sponsor, Miss Johnson

Dramatic Workshop—Sponsor, Mr. Garff Wilson

Humboldt Science Club—Sponsor, Mr. Howe

Kindergarten-Primary Club—Sponsor, Miss Bestor

Lambda Theta Chi (Men's Social Fraternity)—Sponsor, Mr. Garff Wilson

Men's Association—Sponsor, Mr. Telonicher

Musical Organizations—Sponsor, Mr. Jeffers

Pi Alpha Pi (For Social Science Majors)—Sponsor, Vice-President Balabanis.

Rousers (Sophomore Honor Society)—Sponsor, Miss Johnson

Student Service Association—Sponsor, Vice-President Balabanis

Student Teachers' Club—Sponsors, College Elementary School Staff

Women's Athletic Association—Sponsor, Miss Craig

Y. M. C. A. and Y. W. C. A.—Sponsor, Miss Balley

ATHLETICS

Believing that certain mixed activities promote desirable social relationships between men and women, the College has developed a program of mixed intramural sports in volleyball, tennis, archery, badminton, and golf.

All students participating in athletics are required to pass a satisfactory health examination each season.

Men's Athletics

Men students play a regular schedule of games in football, basketball, tennis, and baseball with colleges and other organi-

zations in California and Oregon. Such intercollegiate competition supplements intramural and interclass competition in which practically all the men students take part.

COUNSELING AGENCIES

The College has a definite program of counseling and guidance for entering freshmen. Special counseling will be given individually to the freshmen at the time of registration and periodically during the year by the President and faculty advisers.

Sponsors from upper classmen are assigned to assist new students in becoming acquainted with members of the Student Body and various details of college life.

A faculty member is appointed as adviser for the class.

SOCIAL LIFE

The social life of the College is sponsored by the different student body organizations and by the faculty.

A small college offers to each student many opportunities for friendships and social activities. Among these are monthly, and occasional noon-hour, dances. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. Informal functions are frequently held for and by the students who reside in Sunset Hall.

To further student-faculty relationships all freshman women are entertained at a tea by their various instructors and advisers during the early part of the college year. Senior women are entertained in the spring at a tea given by President and Mrs. Gist.

In order that the students may early in their college careers become better acquainted with President and Mrs. Gist and with each other, every freshman is entertained sometime during the year by President and Mrs. Gist. These functions are generally held in the President's home.

STUDENT HONORS

Honors are awarded to students whose scholarship is exceptional. Honors are awarded by students, by faculty, by individuals, and by civic organizations.

Honors Awarded by Faculty

Graduation Honors are awarded to students at Commencement upon the vote of the faculty. These honors are based on the scholastic index as follows:

Index 2.00—With Honor

Index 2.35—With High Honor

Index 2.75—With Highest Honor

The President's Cup

To stimulate student teaching and as a recognition of meritorious service, the President's Cup has been provided. The student doing the highest type of teaching in the College Elementary School each semester has his name engraved upon this cup.

The details of awarding this honor are administered by the faculty of the College Elementary School.

English Award

President and Mrs. Gist have provided an annual award of \$10 to be given to the student who shows special ability in the field of written expression. The details of selecting the student for the award are in the hands of the English Department.

Honors Awarded by Students

Chi Sigma Epsilon

Chi Sigma Epsilon, the college honor society, elects members from the upper classes twice during each college year. The membership may never exceed a small percentage of the Student Body. Members are selected on the basis of high scholastic attainments, qualities of leadership, and high ideals of character. Chi Sigma Epsilon Pledging Day honors those students elected to membership.

Rousers

A sophomore honor society composed of eight members is selected each spring from the freshman class by active members of Chi Sigma Epsilon. High scholarship, fine qualities of character, responsibilities assumed, and ability to adjust themselves to the new social order of college life are the criteria used in the selection of new members each year.

Chi Sigma Epsilon Medal

A medal is awarded each spring to the freshman student who, in the opinion of the active members of the Chi Sigma Epsilon, is outstanding in the group selected as Rousers. The medalist for 1931-32 was Mary Jean Russell; for 1932-33, Marseille Hedvig Spetz; for 1933-34, Joseph Francis Walsh; for 1934-35, Richard Howard Albert; for 1935-36, Edward Victor Warren; and for 1936-37, Matthew Keith Fountain and Lorin Fred Woodcock.

Chi Sigma Epsilon Scholarship

This scholarship, which covers general student fees for the freshman year, is donated by Chi Sigma Epsilon. It is awarded to a high school graduate of either Humboldt County or Del Norte County, on the basis of scholarship, character, and participation in student activities.

Class and Semester Honors

Semester Honors will be awarded to all regular students carrying a load of twelve or more semester units who receive "A" and "B" grades in all subjects of one or more credit units taken during the semester and who have satisfactorily completed other requirements.

Class Honors are awarded to students who received semester honors during the year.

Honors Awarded by Civic Organizations

Prize Awarded by Kiwanis Club

A prize of \$10 is awarded by the Kiwanis Club of Arcata to the Arcata High School graduate who has made the highest scholastic average during the freshman year at the Humboldt State College.

Music Scholarships

The Humboldt County Federation of Women's Clubs has donated to the College scholarships in applied music. These scholarships entitle the holder to a year's study in applied music.

COMMUNITY RELATIONS

PLACEMENT SERVICE

A Placement Bureau is maintained to perform a double service: to help Humboldt graduates, both those newly graduating and those teaching in the field, obtain the best positions for which they are prepared and to recommend to school officials our best candidates when requests are received to fill teaching positions. The bureau collects data touching on the general moral character and sense of responsibility of the student, his success in his college classes and in student teaching, his college citizenship and leadership in student body activities.

Students desiring positions as teachers will find it to their advantage to work through the Placement Bureau. Such students should register with the Placement Secretary early in their senior year.

COMMUNITY SERVICE

Since the College is a state institution its facilities when not being specifically used for college purposes are open for the use of the citizens of the state. It will particularly welcome conventions, conferences, or assemblies of an educational or cultural nature. The auditorium will seat four hundred.

Extension Courses

Extension courses will be conducted at the College evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI

The Alumni Association has among its aims the assistance of the College in its administrative problems and the guidance and the counsel of recent graduates.

The following are the officers for the current year: President, Clyde Patenaude; vice-president, Alice Renfroe; secretary, Ethel Pedrazzini; treasurer, Hugh B. Stewart.

CURRICULA

THE A.B. DEGREE WITH MAJOR IN GENERAL ELEMENTARY EDUCATION

The regular four-year elementary teachers degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College, requires for graduation 124 semester units. This course will be required of all candidates for an elementary teaching credential. Those taking this credential will receive preference in recommendations for all grades of the elementary school and for village and rural positions.

Subject Requirements—Lower Division

ART

	Units
Art Structure -----	2
	2

ENGLISH AND LITERATURE

English 1A -----	3
English 1B -----	3
	6

FUNDAMENTALS*

Arithmetic Reasoning and Comprehension -----	0
History and Civics -----	0
Language Usage -----	0
Spelling A -----	0

INDUSTRIAL EDUCATION

Fundamentals of Industrial Education -----	3
	3

MATHEMATICS

Mathematics of the Elementary School -----	3
	3

*The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

	MUSIC	Units
Musicianship		3
		3

PHYSICAL EDUCATION

Hygiene	2
Activities for Adults, one-half unit each semester	2
	4

PSYCHOLOGY

General Psychology	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Chem. 1A, or Physics 2A-2B, or Physics 10	-
Bot. 4, Classification of Flowering Plants	3
Biol. 1A, or Bot. 1A, or Zool. 1A	3 or 4
Elective (Biological Science recommended)	-
	12

SOCIAL SCIENCE

History 4A and 4B	6
Cultural and Regional Geography	3
Economics 1A	3
Economics 1B	3
	15

SPEECH

Public Speaking 1A	3
	3

Subject Requirements—Upper Division

ART

Practicum in Art	2
	2

EDUCATION

Children's Literature	3
Curriculum Activities	3
Educational Psychology	3
Introduction to Education	3
Philosophy of Education	3
Rural Education	2
Teaching I	2
Teaching II	8
	27

MUSIC		Units
Practicum in Music	-----	2
		2
PHYSICAL EDUCATION		
Activities for Adults, one-half unit each semester	-----	1
Singing Games and Folk Dances	-----	$\frac{1}{2}$
Health Education	-----	2
Practicum in Physical Education	-----	$1\frac{1}{2}$
		5
SCIENCE, BIOLOGICAL		
Vertebrate Zoology	-----	3
		3
SOCIAL SCIENCE		
American Government	-----	3
		3

MINORS

The candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	Mathematics
Economics	Music
English	Physical Education
History	Social Science
	Speech

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE (Elementary Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
History 4A -----	3	History 4B -----	3
Biological Science-----	3 or 4	Science Elective -----	3 or 4
Public Speaking 1A-----	3	(Biological Science recom-	
Hygiene -----	2	mended)	
Physical Activities -----	$\frac{1}{2}$	Art Structure -----	2
Orientation -----	$\frac{1}{2}$	Musicianship -----	3
		Physical Education-----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Economics 1A -----	3	General Psychology -----	3
Physical Science -----	3	Economics 1B -----	3
Industrial Education -----	3	Class. of Flowering	
Elective or English 1B-----	3	Plants -----	3
Elective or Minor-----	3	Mathematics 20 -----	3
Physical Education-----	$\frac{1}{2}$	Elective or Minor-----	3
		Physical Education -----	$\frac{1}{2}$

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Educational Psychology --	3	Vertebrate Zoology -----	3
Intro. to Educ.-----	3	Curriculum Activities-----	3
Children's Literature -----	3	Teaching I -----	2
Rural Education -----	2	Practicum in Art-----	2
Geography 2 -----	3	Practicum in Music-----	2
Singing Games and Folk		Practicum in Physical	
Dances -----	$\frac{1}{2}$	Education -----	$1\frac{1}{2}$
		Minor -----	3

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Teaching II-----	8	Philosophy of Education--	3
American Government-----	3	Health Education -----	3
Minor -----	3	Minors -----	6
Physical Education -----	$\frac{1}{2}$	Elective -----	3
		Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL JUNIOR HIGH SCHOOL

(Effective after July 1, 1936)

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College for the General Junior High School Credential requires for graduation the following courses. This credential authorizes the student to teach any or all subjects in the seventh, eighth, and ninth grades of any elementary or secondary school in the state.

Subject Requirements—Lower Division

ART		Units
Art Structure		2
		2
ENGLISH AND LITERATURE		
English 1A		3
English 1B		3
		6
FUNDAMENTALS*		
Arithmetic Reasoning and Comprehension		0
History and Civics		0
Language Usage		0
Spelling A		0
INDUSTRIAL EDUCATION		
Fundamentals of Industrial Education		3
		3
MATHEMATICS		
Mathematics of the Elementary School		3
		3
MUSIC		
Musicianship		3
		3

*The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

PHYSICAL EDUCATION

Units

Hygiene -----	2
Activities for Adults, one-half unit each semester-----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Chem. 1A, or Physics 2A-2B, or Physics 10-----	-
Bot. 4—Classification of Flowering Plants-----	3
A year course chosen from the following:	
Biol. 1A-1B; Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and	
Physiol. 1 -----	6-9
	12 or 14

SOCIAL SCIENCE

History 4A and 4B-----	6
Cultural and Regional Geography-----	3
Economics 1A -----	3
Economics 1B -----	3
	15

SPEECH

Public Speaking 1A-----	3
	3

Subject Requirements—Upper Division

ART

Units

Practicum in Art-----	2
	2

EDUCATION

Curriculum Activities—Upper Grades-----	2
Educational Psychology -----	3
Introduction to Education-----	3
Philosophy of Education-----	3
Principles of Junior High School Education-----	2
Teaching I -----	2
Teaching II -----	8
	23

MUSIC

Practicum in Music-----	2
	2

PHYSICAL EDUCATION

Activities for Adults, one-half unit each semester-----	1
Singing Games and Folk Dances-----	$\frac{1}{2}$
Health Education -----	2
Practicum in Physical Education-----	$1\frac{1}{2}$
	5

SCIENCE, BIOLOGICAL

Vertebrate Zoology -----	3
	3

SOCIAL SCIENCE

American Government -----	3
	3

MAJOR

The candidate must complete a major selected from the fields of Biological Science, English, Physical Education, or Social Science.

A major consists of twenty-four semester units at least twelve of which must be in upper division courses.

MINOR

The candidate must complete a minor selected from one of the following fields:

Art	Industrial Education
Biological Science	Mathematics
Economics	Music
English	Physical Education
History	Social Science
	Speech

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE

(General Junior High School Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
Biological Science -----	3 or 4	Biological Science-----	3 or 4
History 4A -----	3	History 4B -----	3
Public Speaking 1A-----	3	Hygiene -----	2
Art Structure -----	2	Musicianship -----	3
Physical Activities -----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$		

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physical Science -----	3	Class. of Flower. Plants--	3
Econ. 1A -----	3	Economics 1B -----	3
Mathematics 20 -----	3	General Psychology -----	3
Elective or English 1B--	3	Industrial Education -----	3
Elective, Major, or Minor--	3	Elective, Major, or Minor--	3
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Educational Psychology--	3	Vertebrate Zoology-----	3
Intro. to Educ.-----	3	Curriculum Activities--	2
Geography 2 -----	3	Teaching I-----	2
Principles of Junior H. S.		Practicum in Art-----	2
Educ. -----	2	Practicum in Music-----	2
Elective -----	2	Practicum in Phys. Educ. 1 $\frac{1}{2}$	
Singing Games and Folk			
Dances -----	$\frac{1}{2}$		

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Teaching II-----	8	Philosophy of Education--	3
Minor -----	3	Health Education-----	2
Physical Education-----	$\frac{1}{2}$	American Government--	3
		Minor -----	3
		Elective -----	2
		Physical Education-----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL JUNIOR HIGH SCHOOL AND GENERAL ELEMENTARY EDUCATION

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College for the General Junior High School and General Elementary Credential requires for graduation the following courses. This credential authorizes the student to teach in both the elementary grades and the junior high school.

The student will note that this combination credential requires the completion of 12 units additional.

Subject Requirements—Lower Division

ART		Units
Art Structure		2
		—
		2
ENGLISH AND LITERATURE		
English 1A		3
English 1B		3
		—
		6
FUNDAMENTALS*		
Arithmetic Reasoning and Comprehension		0
History and Civics		0
Language Usage		0
Spelling A		0
INDUSTRIAL EDUCATION		
Fundamentals of Industrial Education		3
		—
		3
MATHEMATICS		
Mathematics of the Elementary School		3
		—
		3
MUSIC		
Musicianship		3
		—
		3

*The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

PHYSICAL EDUCATION

Units

Hygiene -----	2
Activities for Adults, one-half unit each semester -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Chem. 1A, or Physics 2A-2B, or Physics 10 -----	-
Bot. 4—Classification of Flowering Plants -----	3
A year course chosen from the following:	
Biol. 1A-1B ; Bot. 1A-1B ; Zool. 1A-1B ; Zool. 1A and Physiol. 1 -----	6-9

12 or 14

SOCIAL SCIENCE

History 4A and 4B -----	6
Cultural and Regional Geography -----	3
Economics 1A -----	3
Economics 1B -----	3
	15

SPEECH

Public Speaking 1A -----	3
	3

Subject Requirements—Upper Division

ART

Practicum in Art -----	2
	2

EDUCATION

Children's Literature -----	3
Curriculum Activities -----	3
Educational Psychology -----	3
Introduction to Education -----	3
Philosophy of Education -----	3
Principles of Junior High School Education -----	2
Rural Education -----	2
Teaching I -----	2
Teaching II -----	8
	29

MUSIC

Practicum in Music -----	2
	2

PHYSICAL EDUCATION		Units
Activities for Adults, one-half unit each semester-----		1
Singing Games and Folk Dances-----		$\frac{1}{2}$
Health Education -----		2
Practicum in Physical Education-----		$1\frac{1}{2}$
		5
SCIENCE, BIOLOGICAL		
Vertebrate Zoology -----		3
		3
SOCIAL SCIENCE		
American Government -----		3
		3

MAJOR

The candidate must complete a major selected from the fields of Biological Science, English, Physical Education, or Social Science.

A major consists of twenty-four semester units at least twelve of which must be in upper division courses.

MINOR

The candidate must complete a minor selected from one of the following fields:

Art	Industrial Education
Biological Science	Mathematics
Economics	Music
English	Physical Education
History	Social Science
	Speech

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE

(General Junior High School and General Elementary Education)

FRESHMAN YEAR

First Semester

	Units
English 1A or A-----	3 or 0
Biological Science-----	3 or 4
History 4A -----	3
Public Speaking 1A-----	3
Art Structure -----	2
Physical Activities -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$

Second Semester

	Units
English 1B or 1A-----	3
Biological Science -----	3 or 4
History 4B-----	3
Musicianship -----	3
Hygiene -----	2
Physical Education-----	$\frac{1}{2}$

SUMMER SESSION

Industrial Education-----	3	Elective or Minor-----	3
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SOPHOMORE YEAR

First Semester

	Units
Physical Science-----	3
Econ. 1A-----	3
Elective or English 1B--	3
Mathematics 20-----	3
Elective, Major or Minor	3
Physical Education-----	$\frac{1}{2}$

Second Semester

	Units
Class. of Flower. Plants--	3
Economics 1B -----	3
General Psychology-----	3
Elective or Major-----	3
Elective or Minor-----	3
Physical Education -----	$\frac{1}{2}$

JUNIOR YEAR

First Semester

	Units
Major -----	3
Educational Psychology--	3
Intro. to Educ.-----	3
Children's Literature ----	3
Geography 2 -----	3
Singing Games and Folk	
Dances -----	$\frac{1}{2}$

Second Semester

	Units
Major -----	3
Vertebrate Zoology-----	3
Curriculum Activities----	3
Teaching I-----	2
Practicum in Art-----	2
Practicum in Music-----	2
Practicum in Phys. Educ.	1 $\frac{1}{2}$

SUMMER SESSION

(May be taken at end of Sophomore year)

Electives -----	4	Prin. Jr. H. S. Educ----	2
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SENIOR YEAR

First Semester

	Units
Major -----	3
Teaching II-----	8
Minor -----	3
Physical Education-----	$\frac{1}{2}$

Second Semester

	Units
Major -----	3
American Government----	3
Philosophy of Education--	3
Health Education-----	2
Rural Education-----	2
Minor -----	3
Physical Education-----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL ELEMENTARY AND KINDERGARTEN-PRIMARY EDUCATION

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College, for the General Elementary and Kindergarten-Primary Credentials, requires for graduation the following courses:

Subject Requirements—Lower Division

ART		Units
Art Structure	2	2
		—
		2
ENGLISH AND LITERATURE		
English 1A	3	3
English 1B	3	3
		—
		6
FUNDAMENTALS*		
Arithmetic Reasoning and Comprehension	0	0
History and Civics	0	0
Language Usage	0	0
Spelling A	0	0
INDUSTRIAL EDUCATION		
Fundamentals of Industrial Education	3	3
		—
		3
MATHEMATICS		
Mathematics of the Elementary School	3	3
		—
		3
MUSIC		
Musicianship	3	3
		—
		3
PHYSICAL EDUCATION		
Hygiene	2	2
Activities for Adults, one-half unit each semester	2	2
		—
		4

*The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

PSYCHOLOGY

Units

General Psychology	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Chem. 1A, or Physics 2A-2B, or Physics 10.....	-
Bot. 4—Classification of Flowering Plants.....	3
Biol. 1A, or Bot. 1A, or Zool. 1A.....	3 or 4
Elective (Biological Science recommended).....	-
	12

SOCIAL SCIENCE

History 4A and 4B.....	6
Cultural and Regional Geography.....	3
Economics 1A	3
Economics 1B	3
	15

SPEECH

Public Speaking 1A.....	3
	3

Subject Requirements—Upper Division

ART

Art in the Primary Grades.....	2
Practicum in Art.....	2
	4

EDUCATION

Children's Literature	3
Children's Literature for the Primary Grades.....	2
Curriculum Activities	3
Educational Psychology	3
Introduction to Education.....	3
Kindergarten Curriculum	3
Philosophy of Education.....	3
Rural Education	2
Teaching I	2
Teaching II	14
	38

MUSIC		Units
Music in the Primary Grades-----		2
Practicum in Music-----		2
		4

PHYSICAL EDUCATION		
Activities for Adults, one-half unit each semester-----		1
Singing Games and Folk Dances-----		$\frac{1}{2}$
Health Education -----		2
Practicum in Physical Education-----		$1\frac{1}{2}$
		5

SCIENCE, BIOLOGICAL		
Vertebrate Zoology -----		3
		3

SOCIAL SCIENCE		
American Government -----		3
		3

MINORS

The candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	Music
Economics	Physical Education
English	Social Science
History	Speech

Recommended minors: English, Science, Music, Art.

A minor consists of twelve semester units at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

RECOMMENDED SEQUENCE

(General Elementary and Kindergarten-Primary Education)

FRESHMAN YEAR

First Semester

	Units
English 1A or A-----	3 or 0
History 4A-----	3
Biological Science-----	3 or 4
Public Speaking 1A-----	3
Hygiene-----	2
Physical Activities-----	$\frac{1}{2}$
Orientation-----	$\frac{1}{2}$

Second Semester

	Units
English 1B or 1A-----	3
History 4B-----	3
Science Elective-----	2, 3, or 4
(Biological Science recommended)	
Art Structure-----	2
Musicianship-----	3
Physical Education-----	$\frac{1}{2}$

SOPHOMORE YEAR

First Semester

	Units
Mathematics 20-----	3
Economics 1A-----	3
Physical Science-----	3
Elective or English 1B-----	3
Elective or Minor-----	3
Physical Education-----	$\frac{1}{2}$

Second Semester

	Units
General Psychology-----	3
Economics 1B-----	3
Class. of Flower, Plants-----	3
Industrial Education-----	3
Elective or Minor-----	3
Physical Education-----	$\frac{1}{2}$
*Music Examination	

*SUMMER SESSION (Elsewhere)

	Units
Art in the Primary Grades-----	2
Music in the Primary Grades-----	2
Children's Literature for the Primary Grades-----	2

JUNIOR YEAR

First Semester

	Units
Educational Psychology-----	3
Introduction to Education-----	3
Children's Literature-----	3
Geography 2-----	3
Kindergarten Curriculum-----	3
Singing Games and Folk Dances-----	$\frac{1}{2}$

Second Semester

	Units
Vertebrate Zoology-----	3
Curriculum Activities-----	3
Teaching I-----	2
Practicum in Art-----	2
Practicum in Music-----	2
Practicum in Phys. Educ.-----	1 $\frac{1}{2}$
Elective or Minor-----	3

SUMMER SESSION

	Units
Electives or Minors-----	6

*Consult Adviser.

SENIOR YEAR

First Semester

	Units
Teaching II -----	8
American Government----	3
Minor -----	3
Physical Education-----	$\frac{1}{2}$

Second Semester

	Units
Teaching II -----	6
Philosophy of Education--	3
Health Education-----	2
Rural Education-----	2
Elective -----	3
Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJORS IN PHYSICAL EDUCATION AND GENERAL ELEMENTARY EDUCATION

This combination course gives both the Special Credential in Physical Education and the General Elementary Credential.

(Biological Science Minor)

RECOMMENDED SEQUENCE

FRESHMAN YEAR

First Semester

	Units
English 1A or A-----	3 or 0
Biological Science-----	3 or 4
History 4A-----	3
French or Elective-----	3
Art Structure-----	2
Physical Activities-----	$\frac{1}{2}$
Orientation-----	$\frac{1}{2}$

Second Semester

	Units
English 1B or 1A-----	3
Physiology-----	5
History 4B-----	3
Public Speaking 1A-----	3
Hygiene-----	2
Phys. Educ.—Begin. Nat.	
Danc.-----	$\frac{1}{2}$
Physical Education-----	$\frac{1}{2}$

SOPHOMORE YEAR

First Semester

	Units
Physical Science-----	3
Econ. 1A-----	3
Mathematics 20-----	3
Industrial Education or	
English 1B-----	3
Musicianship-----	3
Theory of Rhythms-----	
(Women)-----	1
Phys. Educ.—Begin. Clog-	
ging-----	$\frac{1}{2}$
Physical Education-----	$\frac{1}{2}$

Second Semester

	Units
Class. of Flower. Plants--	3
Economics 1B-----	3
General Psychology-----	3
Geography 2-----	3
Coaching B-----	2
Elective-----	1
Physical Education-----	$\frac{1}{2}$
Physical Education-----	$\frac{1}{2}$

JUNIOR YEAR

First Semester

	Units
Community Recreation---	2
Principles of Physical	
Education-----	3
Educational Psychology--	3
Intro. to Educ.-----	3
Biological Science Minor-	3
Coaching A-----	2
Singing Games and Folk	
Dances-----	$\frac{1}{2}$

Second Semester

	Units
Children's Literature----	3
Vertebrate Zoology-----	3
Curriculum Activities---	3
Teaching I-----	2
Practicum in Art-----	2
Practicum in Music-----	2
Practicum in Phys. Educ.--	1 $\frac{1}{2}$

SUMMER SESSION

	Units		Units
Elective or Industrial		Electives -----	4
Education -----	2		

SENIOR YEAR

First Semester

	Units
Teaching II—Elementary	6
Corrective Phys. Ed. and	
Kinesiology -----	4
Stud. Teach. Phys. Educ.	
—Elem. -----	2
Rural Education -----	2
Physical Education -----	$\frac{1}{2}$

Second Semester

	Units
Stud. Teach. Phys. Educ.	2
American Government ----	3
Philosophy of Education --	3
Health Education -----	2
Conference on Secondary	
Physical Education ----	2
Elective -----	3
Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN PHYSICAL EDUCATION AND THE SPECIAL CREDENTIAL IN PHYSICAL EDUCATION

Recommended Sequence

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
Biological Science-----	3 or 4	Physiology-----	5
History 4A-----	3	History 4B-----	3
French or Elective-----	3	Public Speaking 1A-----	3
Hygiene-----	2	Art Structure-----	2
Physical Activities-----	$\frac{1}{2}$	Phys. Educ.—Begin. Nat.	
Orientation-----	$\frac{1}{2}$	Danc.-----	$\frac{1}{2}$
		Physical Education-----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physical Science-----	3	Science-----	3
Economics 1A-----	3	Economics 1B-----	3
Minor-----	3	General Psychology-----	3
Elective or English 1B-----	3	Geography 2-----	3
Musicianship-----	3	Minor-----	3
Theory of Rhythms		Physical Education-----	$\frac{1}{2}$
(Women)-----	1	Physical Education-----	$\frac{1}{2}$
Phys. Educ.—Begin. Clog-			
ging-----	$\frac{1}{2}$		
Physical Education-----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Prin. of Phys. Educ.-----	3	Vertebrate Zoology-----	3
Educational Psychology--	3	Intro. to Education-----	3
Minor-----	3	Minor-----	3
Minor or Elective-----	3	Minor or Elective-----	3
Coaching A-----	2	Coaching B-----	2
Community Recreation--	2	Practicum in Phys. Educ.	$1\frac{1}{2}$
Sing. Games & Folk		Physical Education-----	$\frac{1}{2}$
Dances-----	$\frac{1}{2}$		

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Corrective Phys. Educ. &		Stud. Teaching Phys.	
Kinesiology-----	4	Educ.-----	4
Stud. Teach. Phys. Educ.		Philosophy of Education--	3
—Elem.-----	2	Health Education-----	2
American Government-----	3	Conference on Second.	
Electives-----	6	Phys. Ed.-----	2
Physical Education-----	$\frac{1}{2}$	Electives-----	5
		Physical Education-----	$\frac{1}{2}$

BACHELOR OF EDUCATION DEGREE

This degree is designed for successful teachers who would find difficulty in meeting all the regulations for the A.B. degree but who wish to have a modern professional bachelor's degree. This degree carries with it no credential and does not provide the basic preparation for a master's degree.

The following classes of teachers are eligible for candidacy for the Bachelor of Education degree:

1. Graduates of the two-year, two-and-a-half-year, or three-year curricula of the California state colleges when these institutions were normal schools or teachers colleges, who have had five or more years of successful teaching experience.

NOTE.—Graduates of the three-year curricula are advised to work toward the Bachelor of Arts degree, but in case such graduates elect to take the Bachelor of Education degree, the requirements may be satisfied by completing at least eighteen semester hours of college work in addition to equivalent credit that may be allowed for other experiences or activities.

2. Holders of California life diplomas or those who have taught five or more years in the public schools of California.

Required Program

The degree will be granted upon the successful completion of 124 semester hours of college or university work or the equivalent. Of this total requirement at least 106 semester hours of work shall be completed in regular campus classes, extension classes, or in correspondence courses under college or university direction; and not to exceed eighteen semester hours of credit may be allowed for experiences and activities that can be evaluated as equivalent to regular academic work.

Equated semester hours not exceeding eighteen may be allowed for professional activities involving successful teaching experience, travel study, published writings, specific contributions to the extra-curricular and professional life of the school community, participation in the activities of professional and other organizations, leadership in community recreational life, active participation in the administrative activities of the school system, such as committee work of all kinds, and experimental classroom work utilizing new methods and procedures. Experiences of this type may be evaluated in terms of professional service units, each such unit to be counted as equivalent to a semester hour of credit.

Residence Requirements

1. Twenty-four semester hours of college credit earned in California state colleges will be accepted as satisfying residence requirements, provided that at least half of these must have been earned subsequent to June 1, 1934, in Humboldt State College.

2. Not more than six semester hours of credit may be earned in extension classes. (See note regarding graduates of the three-year curricula.)

Effective Dates

The operation of this curriculum will not extend beyond February 1, 1937. All applications for candidacy must be filed, and at least six semester hours of work completed, before February 1, 1942. All the requirements must be completed and the degree conferred prior to February 1, 1947.

Inventory of Training and Experience

Each teacher who desires to become a candidate for the Bachelor of Education degree shall file with the college an inventory of training and experience. Blanks for this purpose may be secured from the College.

Fields of Study

Each candidate for the Bachelor of Education degree must include in the last sixty semester hours of credit earned a minimum of six semester hours in each of three of the following six fields of knowledge: professional courses; social science; natural science; psychology and philosophy; fine arts and literature; physical education, hygiene, and recreation.

At least twenty-four semester units must be taken in upper division courses.

REGULATIONS GOVERNING THE GRANTING OF SCHOOL ADMINISTRATION CREDENTIALS BY THE STATE BOARD OF EDUCATION.

General Requirements

An applicant for the administration credential must submit:

- A. A certificate from a physician licensed to practice medicine and surgery that the applicant is physically and mentally fit to engage in school service.
- B. Verification of a general teaching credential, certificate, or life diploma.
- C. Verification of two years of thoroughly successful teaching experience.

ELEMENTARY SCHOOL EXECUTIVE

The administration credential for the elementary school executive serving as principal directly under a board of education requires:

- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and recommending for the General Elementary Credential.
- F. Completion of twenty-four semester hours of work beyond all requirements for the general elementary credential in courses completed concurrently with or subsequent to teaching experience including the following:

1. Professional Courses:

- a. Required courses—12 units (fulfilling State regulations):
 - (1) Educ. 140 A-B, School Administration and Supervision, including field work—4 units.
 - (2) Educ. 139, The Elementary School Curriculum—2 units.
 - (3) Educ. 144, State and County School Administration, including some legal phases of education in California—2 units.
 - (4) Educ. 115, Educational Tests and Measurements—2 units.
 - (5) Educ. 152, Visual Education—2 units.

b. Elective Courses: (To be selected only by students who have already completed some of the above required courses.)

- (1) Educ. 124, Philosophy of Education—2 units.
- (2) Educ. 110, Educational Psychology—3 units.
- (3) Educ. 111, Growth and Development—2 units.
- (4) Educ. 120, Counseling and Guidance—2 units.
- (5) Educ. 102, History of American Education—2 units.
- (6) Educ. 152, Educational Sociology—2 units.
- (7) Educ. 180, Seminar in Educational Problems—2 units.

2. Non-Professional Courses:

a. Twelve units from following list:

- (1) Econ. 151, Programs of Economic Security—2 units.
- (2) Econ. 105, Comprehensive Programs of Social Reform—2 units.
- (3) Econ. 184, Population Problems—2 units.
- (4) Econ. 120, Modern Industrialism—2 units.
- (5) Econ. 196, America and World Trade—2 units.
- (6) Hist. 190, New Viewpoints in American History—2 units.
- (7) Hist. 160, World Imperialism—2 units.
- (8) Hist. 187, Social Hist. of the United States since 1876—2 units.
- (9) Hist. 149B, The Near East—2 units.
- (10) Hist. 165A, History of European Expansion 1492-1713—2 units.
- (11) Hist. 165B, History of European Expansion 1713-1850—2 units.
- (12) Phil. 10A, History of Philosophy—2 units.
- (13) P. E. 176, Principles of Community Recreation—2 units.
- (14) Pol. Sci. 111, The Theory of the State—2 units.
- (15) Psych. 1, General Psychology—2 units.

ELEMENTARY SCHOOL PRINCIPAL OR SUPERVISOR

The administration credential for the elementary school principal or supervisor serving under a superintendent of schools requires:

- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and for recommending for the General Elementary Credential
- F. Completion of eighteen semester hours of work beyond all requirements for the General Elementary Credential in courses completed concurrently with or subsequent to teaching experience including the following:

1. Professional Courses:

- a. Required Courses—10 units (Fulfilling State regulations):

- (1) Educ. 140 A-B, School Administration and Supervision, including field work—4 units.
- (2) Educ. 139, The Elementary School Curriculum—2 units.
- (3) Educ. 115, Educational Tests and Measurements—2 units.
- (4) Educ. 152, Visual Education—2 units.

- b. Elective Courses: (To be selected only by students who have already completed some of the above required courses.)

- (1) Educ. 124, Philosophy of Education—2 units.
- (2) Educ. 110, Educational Psychology—3 units.
- (3) Educ. 111, Growth and Development—2 units.
- (4) Educ. 120, Counseling and Guidance—2 units.
- (5) Educ. 102, History of American Education—2 units.
- (6) Educ. 152, Educational Sociology—2 units.
- (7) Educ. 180, Seminar in Educational Problems—2 units.

2. Non-Professional Courses:

a. Eight units from following list:

- (1) Econ. 151, Programs of Economic Security—2 units.
- (2) Econ. 105, Comprehensive Programs of Social Reform—2 units.
- (3) Econ. 184, Population Problems—2 units.
- (4) Econ. 120, Modern Industrialism—2 units.
- (5) Econ. 196, America and World Trade—2 units.
- (6) Hist. 190, New Viewpoints in American History—2 units.
- (7) Hist. 160, World Imperialism—2 units.
- (8) Hist. 187, Social Hist. of the United States since 1876—2 units.
- (9) Hist. 149B, The Near East—2 units.
- (10) Hist. 165A, History of European Expansion 1492-1713—2 units.
- (11) Hist. 165B, History of European Expansion 1713-1850—2 units.
- (12) Phil. 10A, History of Philosophy—2 units.
- (13) P. E. 176, Principles of Community Recreation—2 units.
- (14) Pol. Sci. 111, The Theory of the State—2 units.
- (15) Psych. 1, General Psychology—2 units.

N. B.—It will be noted that field work in administration and supervision is now required for both credentials. This field work will be difficult to administer during the year to teachers in the field. If a student finds it impossible to give up his teaching for a semester, the College will attempt to provide the field work in connection with the College Elementary School during the summer session.

REQUIREMENTS FOR A.B. DEGREE IN ALLIED ARTS**Lower Division**

*ART		Units
Art Structure -----		2
Graphic Expression -----		2 or 3
Art Appreciation -----		3
		7 or 8
ENGLISH		
English 1A and 1B -----		6
		6
FOREIGN LANGUAGES		
Foreign Language (in not more than two languages) -----		15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)		
		15
*HOME ECONOMICS		
Clothing -----		3
Hostess Course -----		2
Nutrition -----		2
		7
*INDUSTRIAL EDUCATION		
Mechanical Drawing -----		2
Metal Arts -----		3
Pottery -----		2
Woodworking -----		3
		10
PHYSICAL EDUCATION		
Hygiene -----		2
Activities (one-half unit each semester) -----		2
		4
PSYCHOLOGY		
General Psychology -----		3
		3

*The number of units to be chosen from these fields will be determined in conference with the faculty adviser.

SCIENCE, BIOLOGICAL AND PHYSICAL

Units

Year course in Laboratory Science-----	6 or 8
Additional Science -----	8 or 6

14**SOCIAL SCIENCE**

History 4A and 4B-----	6
Additional Social Science-----	8

14**Upper Division****ALLIED ARTS**

A minimum of twelve semester units chosen from the following courses:

Art 102—Applied Design; Art 105A—Lettering and Design A; Art 105B—Lettering and Design B; Home Econ. 114—Advanced Clothing; Home Econ. 129—Home Management; Home Econ. 132—Home Decoration and furnishing; Ind. Ed. 101—Advanced Woodworking; Ind. Ed. 103—The Art of House Design; Ind. Ed. 105—Advanced Pottery; Ind. Ed. 125—Advanced Cabinet and Wood Construction for Women; Ind. Ed. 126—Advanced Metal Arts; Ind. Ed. 130—Architectural Drafting and Design.

PHYSICAL EDUCATION

Units

Activities (one-half unit each semester)-----	2
---	---

2**SOCIAL SCIENCE**

American Government-----	3
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3**MINORS**

Candidate must complete a minor in each of two fields to be selected from the following:

Biological Science
Economics
Education
History

Mathematics
Music
Physical Education
Speech

Advanced credit from other institutions in fields other than the ones above mentioned will be accepted toward the requirement.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.
Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR A.B. DEGREE IN BIOLOGICAL SCIENCE**Lower Division****ENGLISH**

Units

English 1A and 1B.....	6
	6

FOREIGN LANGUAGES

Foreign Language (in not more than two languages. French required.).....	15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)	

15**PHYSICAL EDUCATION**

Hygiene	2
Activities (one-half unit each semester).....	2
	4

PSYCHOLOGY

General Psychology	3
	3

PHILOSOPHY

Philosophy 5A-5B	6
	6

SCIENCE, BIOLOGICAL AND PHYSICAL

Botany 1A and 1B.....	8
Chemistry 1A	5
Zoology 1A and 1B.....	8
	21

SOCIAL SCIENCE

Year course	6
Elective	8
	14

Upper Division

PHYSICAL EDUCATION

Units

Activities (One-half unit each semester) ----- 2

2

SCIENCE, BIOLOGICAL

Botany 110A and 110B ----- 6

Botany 151 ----- 3

Botany 107 ----- 3

Zoology 114 ----- 3

Zoology 113 ----- 4

Additional courses to be arranged ----- 5

24

SOCIAL SCIENCE

American Government ----- 3

3

MINORS

Candidates must complete a minor in two of the following fields:

Art
Economics
English
Education
History

Industrial Education
Mathematics
Music
Physical Education
Speech

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.

Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR A.B. DEGREE IN ENGLISH**Lower Division****ENGLISH****Units**

English 1A and 1B----- 6

English 56A and 56B----- 6

12**FOREIGN LANGUAGES**

Foreign Language (in not more than two languages)-----15

(Each year of high school work will be counted in satisfaction
of three units of this requirement.)

15**PHILOSOPHY**

Year Course ----- 6

6**PHYSICAL EDUCATION**

Hygiene ----- 2

Activities (one-half unit each semester)----- 2

4**PSYCHOLOGY**

General Psychology ----- 3

3**SCIENCE, BIOLOGICAL AND PHYSICAL**

Year course in Laboratory Science----- 6 or 8

Additional Science ----- 8 or 6

14**SOCIAL SCIENCE**

History 4A and 4B----- 6

Additional Social Science----- 8

14

Upper Division

ENGLISH

	Units
Shakespeare -----	3
Chaucer -----	3
Additional upper division English -----	18
	24

PHYSICAL EDUCATION

Activities (one-half unit each semester) -----	2
	2

SOCIAL SCIENCE

American Government -----	3
	3

MINORS

Candidate must complete a minor in each of two fields to be selected from the following:

Art	History
Biological Science	Mathematics
Economics	Music
Education	Physical Education
Industrial Education	Speech

Advanced credit from other institutions in fields other than the ones above mentioned will be accepted toward the requirement.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.
Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SOCIAL SCIENCE

Lower Division

ENGLISH		Units
English 1A and 1B-----		6
		6
FOREIGN LANGUAGE		
Foreign Language (in not more than two languages)-----		15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)		15
PHYSICAL EDUCATION		
Activities (one-half unit each semester)-----		2
		2
PSYCHOLOGY		
General Psychology -----		3
		3
SCIENCE, BIOLOGICAL AND PHYSICAL		
Year course in laboratory science-----		6 or 8
Additional Science -----		8 or 6
		14
SOCIAL SCIENCE		
History 4A and 4B-----		6
Economics 1A and 1B-----		6
*Additional Courses -----		2
		14
YEAR COURSE		
Mathematics (additional to Elementary Algebra and Geometry) ..		6
<i>or</i>		
*Philosophy 5A-5B -----		6
<i>or</i>		
Additional Foreign Language-----		6
*The course in Philosophy fulfills the additional requirement in lower division Social Science.		

Upper Division**PHYSICAL EDUCATION**

Units

Activities (one-half unit each semester)----- 2

2**SOCIAL SCIENCE**

Upper Division History----- 9

Upper Division Economics----- 9

American Government ----- 3

Additional Social Science----- 6

27**ADDITIONAL**

Candidate must complete at least two minors in subjects taught in high schools, and as much education as possible toward meeting the requirements prescribed for the General Secondary Credential.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.
Minimum residence requirement is 24 semester units.

REQUIREMENTS FOR A.B. DEGREE IN SOCIAL SCIENCE**(Liberal Arts)****Lower Division****ENGLISH****Units**

English 1A and 1B----- 6

6**PHYSICAL EDUCATION**

Activities (one-half unit each semester)----- 2

2**PSYCHOLOGY**

General Psychology ----- 3

3**SCIENCE, BIOLOGICAL AND PHYSICAL**

Year course in laboratory science----- 6 or 8

Additional Science ----- 8 or 6

14**SOCIAL SCIENCE**

History 4A and 4B----- 6

Economics 1A and 1B----- 6

Elective ----- 2 or 3

14 or 15

Upper Division

PHYSICAL EDUCATION

Units

Activities (one-half unit each semester)----- 2

2

SOCIAL SCIENCE

Upper Division History----- 9

Upper Division Economics----- 9

American Government ----- 3

Additional Social Science----- 6

27

MINORS

Candidate must complete at least two minors in available college fields.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation. Minimum residence requirement is 24 semester units.

If a student expects to transfer to another institution for graduate work, he must complete also the undergraduate requirements of that institution.

PRE-SECONDARY WORK**LOWER DIVISION COURSES FOR COLLEGE OF LETTERS
AND SCIENCE****Aims and Purposes**

These courses are designed for three groups of students:

(a) Students who plan to obtain later a Bachelor's Degree in the College of Letters and Science in another college or university and who wish to do the two years of lower division work at Humboldt. These students should register for the courses which will meet the requirements of upper division work in the college where they plan to get their degree.

(b) Students who plan to obtain a degree in a College of Applied Science or in a Professional School and wish to do some of their lower division work at Humboldt. Such students should write to or confer with the Dean to learn how many semesters of lower division work will be accepted in the special field in which they are planning to prepare.

(c) Special students enrolled for particular courses only.

Suggested Courses in the College of Letters and Science

The suggested requirements for lower division work for College of Letters and Science include sixty-four units of college work chosen as follows:

(a) English A. Physical Education, 2 units.

(b) Foreign Language—15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units toward this requirement.)

(c) Mathematics—Elementary Algebra and Geometry.

(d) Natural Science—12 units chosen from the following list: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology. (A year's work in high school Chemistry or high school Physics will count 3 units each in satisfaction of this requirement.)

(e) Additional. A year course (of at least 6 units) in each of three of the following groups:

(1) English, Public Speaking.

(2) Foreign Language (additional to b).

(3) Mathematics (additional to c).

(4) Economics, Geography, History, Political Science.

(5) Philosophy.

PRE-SECONDARY IN COMMERCE**LOWER DIVISION COURSES FOR COLLEGE OF COMMERCE**

The suggested requirements for lower division work for the College of Commerce include sixty-four units of college work chosen as follows:

(a) English A.

Physical Education, 2 units.

(b) Foreign Languages:

This requirement may be satisfied as follows:

1. By passing the Subject B examination in some acceptable foreign language (French, German, Spanish, Italian, Greek, Latin, Russian, Chinese, Japanese.)
2. By offering 12 units in one foreign language. Each year of language taken in the high school is to be counted as three units.

(c) English, 6 units.

English 1A-1B or Public Speaking 1A-1B.

(d) History or Political Science, 6 units.

History 4A-4B, History 8A-8B, or Political Science 1A-1B.

(e) Geography, 6 units.

Geography 1 and Geography 2.

(f) Economics, 6 units.

Economics 1A and 1B.

(g) Natural Science, 9 units.

Courses in Physics and Chemistry taken in high school may be applied toward satisfaction of the science required without, however, reducing the number of units required for the Junior Certificate.

(h) Mathematics: Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.

(i) Electives.

Recommended: Economic History of U. S.
Accounting 14A-14B.

Recommended Sequence**FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
French A-B -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4 or 5	3, 4 or 5
Trigonometry (if needed to meet Mathematics requirement) -----	3	
Geography 1 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
French C-D -----	3	3
Science -----		3
Geography 2 -----	3	
Intermediate Algebra (if needed to meet Mathematics requirement) -----	3	
Mathematics of Finance -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-SECONDARY IN AGRICULTURE

Recommended Sequences

AGRICULTURAL ECONOMICS

	<i>Sem. 1</i>	<i>Sem. 2</i>
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Philosophy 5A-5B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
General Psychology -----		3
Accounting -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PLANT SCIENCE

FRESHMAN YEAR

Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

ANIMAL SCIENCE**FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

FORESTRY**FRESHMAN YEAR**

Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A or Geography 1 -----	3	
Botany -----		4
Economics 1A-1B -----	3	3
Electives -----	3	*3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

*Botany 4 recommended.

PRE-SECONDARY IN COMMERCIAL EDUCATION

One-Year Course

First Semester

	Units
Shorthand I -----	5
Accounting 14A -----	3
Business English 1A -----	3
Typing I -----	3
Orientation -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$

Second Semester

	Units
Shorthand II -----	5
Business Mathematics -----	3
Business English 1B -----	3
Typing II -----	3
Elective -----	2
Physical Education -----	$\frac{1}{2}$

Suggested Two-Year Course

FRESHMAN YEAR

First Semester

	Units
Shorthand I -----	5
Business English 1A -----	3
Typing I -----	3
Business Law or Salesman- ship -----	3 or 2
Orientation -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$

Second Semester

	Units
Shorthand II -----	5
Business Mathematics -----	3
Business English 1B -----	3
Typing II -----	3
Filing or Sec. Training -----	2 or 3
Physical Education -----	$\frac{1}{2}$

SOPHOMORE YEAR

First Semester

	Units
Public Speaking 1A -----	3
Salesmanship or Business Law -----	2 or 3
Accounting 14A -----	3
Business Contact or Elective	2
Typing III -----	2
Machine Calculation -----	2
Physical Education -----	$\frac{1}{2}$

Second Semester

	Units
Shorthand III -----	5
Secretarial Training or Filing -----	3 or 2
Accounting 14B -----	3
Typing IV -----	2
Elective -----	2
Physical Education -----	$\frac{1}{2}$

Desirable Electives

Economics 1A—(Fall only)
 Geography
 Home Making
 Hostess Course
 Industrial Education Courses

Introduction to Modern Physics
 (Fall only)
 Lettering—including free brush
 work
 Music
 Public Speaking 1B

Note

Business Law and Salesmanship are taught in alternate years.

A Commerce diploma will be granted on completion of the scheduled courses.

PRE-DENTAL

Recommended Sequence

Two-Year Course

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B -----	3	3
or -----		
†Year course -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
American Government -----		3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the Junior Certificate in the College of Letters and Science.

PRE-ENGINEERING

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English A -----		
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

*Required if student did not have a course in Physics in high school.

†Chosen from the Letters and Science list, group (e).

PRE-LEGAL**Recommended Sequence****FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French A-B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

French C-D -----	3	3
Philosophy 5A-5B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-MEDICAL**Recommended Sequence****FRESHMAN YEAR**

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French A-B -----	3	3
History 4A-4B -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French C-D -----	3	3
Year Course from group (e) -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

PRE-SECONDARY IN MUSIC

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Harmony -----	3	Harmony -----	3
Music Hist. and Apprec.	3	Music Hist. and Apprec.	3
Applied Music -----	2	Applied Music -----	2
English 1A -----	3	English 1B -----	3
Foreign Language -----	3	String Instruments -----	2
Choral Music -----	$\frac{1}{2}$	Foreign Language -----	3
Orientation -----	$\frac{1}{2}$	Choral Music -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Total -----	15 $\frac{1}{2}$	Total -----	17

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Harmony -----	3	Harmony -----	3
Music Apprec. Meth.	3	Conducting -----	2
Applied Music -----	2	Applied Music -----	2
Reed Instruments -----	2	Brass Instruments -----	2
Ear Training and Sight Singing -----	2	Ear Training and Sight Singing -----	2
General Psychology -----	3	Educational Psychology -----	3
Choral Music -----	$\frac{1}{2}$	Hygiene -----	2
Physical Education -----	$\frac{1}{2}$	Choral Music -----	$\frac{1}{2}$
Total -----	16	Physical Education -----	$\frac{1}{2}$
		Total -----	17

PRE-NURSING

Two-Year Course

FRESHMAN YEAR

	<i>Sem. 1</i>	<i>Sem. 2</i>
English 1A-1B -----	3	3
Chemistry 1A -----	5	
Zoology 1A -----	4	
Physiology 1 -----		5
General Psychology -----		3
Electives -----	3	5
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Philosophy 5A-5B -----	3	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	9	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-PHARMACY

FRESHMAN YEAR

	<i>Sem. 1</i>	<i>Sem. 2</i>
English A—Examination or Course -----		
Chemistry 1A-1B -----	5	5
Mathematics 1 -----	3	
Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		*6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

*Botany 4 is recommended.

COURSES OF INSTRUCTION

The semester in which the course is offered is indicated after the course title. Courses taught in the fall semester are marked (I); those taught in the spring are marked (II).

ART

1. **ART STRUCTURE (1, II).** 2 units
 Analysis of structural principles, the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.
 Two one-hour periods per week.
- 2A. **ELEMENTARY CRAFTS A (II).** 1, 2, or 3 units
 Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft make up the content of this course.
 One, two, or three one-hour periods per week.
- 2B. **ELEMENTARY CRAFTS B (I).** 2 units
 Puppetry and stagecraft.
 Two one-hour periods per week.
3. **ART APPRECIATION.** 3 units
 A study of the development of art through the early historic periods and schools in architecture, sculpture, painting, and minor arts up to the 20th century.
 Three one-hour periods per week.
4. **GRAPHIC EXPRESSION.** 3 units
 A study of form and space in proportion and composition expressed with line, value, and color.
 Three one-hour periods per week.
5. **DESIGN.** 3 units
 The organization of line, mass, space, volume, and color into patterns for surface decorations. Prerequisite: Art Structure.
 Three one-hour periods per week.
15. **LETTERING AND POSTER DESIGN** 3 units
 A course for lower division students in the technique of lettering. A study of capital and lower case letters in the Roman, Gothic, and Lombardic types of lettering. Page design as used in sign and poster service for college activities.
 Three one-hour periods per week.

102. APPLIED DESIGN. 3 units

Advanced problems in original designs suitable for industrial uses, with application of some to materials.

Three one-hour periods per week.

105A. LETTERING AND DESIGN A. 3 units

Practice in the technique of lettering and use of lettering tools in working for fine line, proportion, spacing, tone, and rhythm with the study of various types of letters.

Three one-hour periods per week.

105B. LETTERING AND DESIGN B. 3 units

A continuation of Lettering A with organization of page, illustration, and composition of the book. Poster service for the college.

Three one-hour periods per week.

190. PRACTICUM IN ART. 2 units

Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation, and some participation in teaching.

Two one-hour class periods and two observation periods per week.

BIOLOGICAL AND PHYSICAL SCIENCE**Requirements in Biological Science****For General Elementary or Kindergarten Credentials**

A minimum of 15 units of science credits required, twelve being lower division and three upper division. The lower division credits must include Group C and one from each of Groups A and B.

- A. Biology 1A; Botany 1A; Zoology 1A. Second semester Biological Science elective recommended.
- B. Chemistry 1A; Physics 2A-2B; Physics 10. A year's work in high school chemistry or high school physics with grades of A or B will count 3 units each in satisfaction of this requirement.
- C. Botany 4, Classification of Flowering Plants.
- D. Zoology 113, General Vertebrate Zoology.

For General Junior High School Credential

A minimum of 15 units of science credits required, of which three credits must be upper division. The lower division credits must include group C and one from each of groups A and B.

- A. Biology 1A-1B; Botany 1A-1B; Zoology 1A-1B; Zoology 1A and Physiology 1.
- B. Chemistry 1A; Physics 1A-1B; Physics 10.
- C. Botany 4, Classification of Flowering Plants.
- D. Zoology 113, Vertebrate Zoology.

The major in Biological Science requires twenty-four semester units, at least twelve of which must be taken in upper division courses. It is recommended that the student take a year course from Group A and also additional Physical Science.

The minor must include at least six semester units of lower division Biological Science and six semester units of upper division Biological Science. Botany 4 and Zoology 113 may be counted in the minor.

Biology**1A. GENERAL BIOLOGY (I). 3 units**

Designed to give the fundamental principles of plant biology, protoplasm, and metabolism.

Two one-hour lectures, and one three-hour laboratory period per week.

1B. GENERAL BIOLOGY (II). 3 units

A general survey of animals including structure, heredity, and the theory of organic evolution.

Two one-hour lectures, and one three-hour laboratory period per week.

10. FIELD BIOLOGY (I, II). 1, 2, 3 units

A study of mammals and birds in the field, their distribution, capture, and preparation into study skins. The course will include demonstrations and field trips.

One one-hour lecture and laboratory periods.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, a greenhouse, well equipped hothouses, and hot beds.

1A. GENERAL BOTANY (I). 4 units

This course deals with the fundamentals of the morphology and physiology of flowers, fruits, seeds, seedlings, roots, stems, and leaves. Field trips will be made to points near the college, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lectures and two three-hour laboratory periods per week.

1B. GENERAL BOTANY (II). 4 units

A continuation of course 1A covering the lower order of plants and an introduction to the taxonomy of the flowering plants.

Two one-hour lectures and two three-hour laboratory periods per week.

4. CLASSIFICATION OF FLOWERING PLANTS (II). 3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual. Prerequisite: One year of Biological Science.

Two one-hour lectures and one three-hour laboratory period per week.

20. FLORICULTURE (II). 3 units

The propagation and culture of the more common annuals and bulbous plants grown in California gardens, the preparation of soils and planting of flower beds, application of simple principles of design to home grounds, the use of fertilizers, preparation and application of spraying materials.

Two lectures and one laboratory period per week.

110A. FOREST BOTANY (I). 3 units

A study of the forest trees and shrubs, including field identification, and a critical study of the characters and habits of gymnosperms. Prerequisite: One year of Biological Science.

Two three-hour laboratory periods and three hours field work per week.

110B. ANGIOSPERMS (II). 3 units

A study of representative orders of flowering plants; their habits and growth, structure, classification, and geographical distribution. Prerequisite: One year of Biological Science.

Two three-hour laboratory periods and three hours field work per week.

107. PLANT ECOLOGY (I). 3 units

A general survey of plant and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of this area to native plants. Prerequisite: One year in Biological Science.

Three one-hour periods per week.

151. PLANT GEOGRAPHY (II). 3 units

Study of plant distribution with particular emphasis on west coast conditions. Work conducted in lecture and discussion classes with one long field trip of several days to be taken late in the spring semester. Prerequisite: One year of Biological Science.

Three one-hour periods per week.

160. ADVANCED FLORICULTURE. 3 units

Studies in propagation problems of particular species, the use of species in planting plans and the preparation of complete drawings, specifications, and plans for landscaping three homes.

Students admitted only on the permission of the instructor.

Chemistry**1A-1B. GENERAL CHEMISTRY (Yr.).** 5-5 units

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure. Prerequisites: At least two years of high school mathematics and either high school physics or chemistry.

Three one-hour lecture periods and two three-hour laboratory periods per week.

8-9. ORGANIC CHEMISTRY (Yr.). 3-3 units

A survey of the carbon compounds with laboratory preparations and illustrations.

Chemistry 8—Three one-hour lecture periods per week.

Chemistry 9—Three three-hour laboratory periods per week.

Prerequisites: Chemistry 1A-1B.

Geology**1A. GENERAL GEOLOGY (I, II).** 3 units

A study of the earth, its internal and external structure, the materials of which it is composed, and the geologic processes and agents that are affecting the surface.

Three one-hour periods per week, with frequent field trips by arrangement.

Physics**PHYSICS 1A (I).** 3 units

The elementary principles of mechanics. Prerequisites: Three years of high school mathematics, including Trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

PHYSICS 1B (II). 3 units

Emphasis on heat, radiation, elementary principles of meteorology, and the properties of matter. Prerequisites: Three years of high school mathematics, including Trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

2A-2B. GENERAL PHYSICS LECTURE (Yr.). 3-3 units

A general survey of physics for students of the biological sciences. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

3A-3B. GENERAL PHYSICS LABORATORY (Yr.). 1-1 unit

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity; to accompany the lecture course 2A-2B.

One three-hour laboratory period per week.

10. INTRODUCTION TO MODERN PHYSICS. 3 units

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour lectures and one one-hour review section per week.

20. ELEMENTARY PHOTOGRAPHY (II). 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

Physiology**1. INTRODUCTORY PHYSIOLOGY (II). 5 units**

A general introductory course on human physiology.

Three one-hour lectures and two three-hour laboratory periods per week.

Zoology**1A. GENERAL ZOOLOGY (I). 4 units**

An introduction to the facts and principles of animal biology with special reference to the structure, functions, and evolution of animals. The study of seashore animal life will be correlated with the laboratory.

Two one-hour lectures, and two three-hour laboratory periods per week.

1B. GENERAL ZOOLOGY (II).

A continuation of course 1A. Structure and development of the chordates including the study of a mammal.

Two one-hour lectures, and two three-hour laboratory periods per week.

113. GENERAL VERTEBRATE ZOOLOGY (II).**3 units**

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat preferences, behavior, distribution, and classification. Lectures, field trips, and laboratory, with papers on assigned topics. Prerequisite: Zoology 1A-1B.

Two one-hour lectures, and one three-hour laboratory period or field trip per week.

114. HEREDITY AND EVOLUTION (I).**3 units**

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned readings. Study is made of the various theories of evolution. Prerequisite: Zoology 1A-1B.

Three one-hour periods per week.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

5. MACHINE CALCULATION (I, II). 2 units

An intensive study of modern office machinery, including calculators, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present day business life for skilled operators.

Two one-hour periods per week.

10. PENMANSHIP. No credit

A thorough course in practical business penmanship planned to meet the needs of teachers of penmanship. This course will be flexible enough to care for students who fail to meet major department standards.

Three one-hour periods per week.

14A. ACCOUNTING (I). 3 units

An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Two one-hour class periods and one two-hour laboratory period per week.

14B. ACCOUNTING (II). 3 units

A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, non-profit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspect of accounting.

Two one-hour periods and one two-hour period per week.

21. BUSINESS MATHEMATICS (II). 3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes

of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. BUSINESS LAW (II).

3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. BUSINESS ENGLISH (Yr.).

3-3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

50. SALESMANSHIP (I).

2 units

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives; closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

Secretarial Training

1A. SHORTHAND I (I).

5 units

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. SHORTHAND II (II).

5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Five one-hour periods per week.

1C. SHORTHAND III (I, II).

5 units

An intensive dictation course. This course will include dictation and transcripts covering vocabularies of representative businesses, such as banking, law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Five one-hour periods per week.

1D. SHORTHAND IV (II). 5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Five one-hour periods per week.

2A. TYPING I (I, II). 3 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Ten one-hour periods per week.

2B. TYPEWRITING II (I, II). 3 units

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Ten one-hour periods per week.

2C. TYPING III (I, II). 2 units

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions, including dictaphone practice.

Six one-hour periods per week.

3. FILING (II). 2 units

Practice is given in all the methods of correspondence filing, such as The Triple Check Automatic Index, Varidex Alphabetic, Subject, Numeric, and Geographic. Attention is given to cross-indexing, coding, and follow-up or tickler systems. Strictly up-to-date filing outfits are used.

Two one-hour periods per week.

69. SECRETARIAL TRAINING (II). 3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances. Prerequisite: Typing I.

Three one-hour periods per week.

70. BUSINESS CONTACT (I). 2 units

Addresses, special talks, lectures, demonstrations by executives experienced in the subjects covered. Inspection trips. Each student is required to report each week one public lecture given either on or off the campus. Shorthand notes accompany the transcript.

STUDENT TEACHING AND EDUCATION COURSES

Student teaching offers one of the most profitable experiences a student has while in college. Through his teaching he learns to adapt himself to all types of personalities at the various grade levels.

Before beginning this important piece of work, the students will have been passed upon by the President and the Dean of Women as being young people possessing personality traits that are essential to those who are entering the teaching profession. In addition to this, the students must have satisfactorily passed the health examination, the aptitude test, the fundamental tests, and have made a "C" average in the academic courses.

In so far as circumstances permit, the theory courses are conducted on a laboratory basis, being closely connected with the activities of the College Elementary School. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. These courses serve the beginning teacher in many ways:

1. To gradually induct the student into teaching and thus increase his chances for success and to tend to prevent discouragement.
2. To direct the student's attention in a systematic manner to classroom conditions and activities.
3. To make it possible for the student to see and help carry on correct procedure from the first.
4. To make it possible for the student to see lessons taught by strong, resourceful teachers. The lessons observed serve as models to imitate, and a means for setting up standards of good teaching.
5. To provide the student with opportunities to learn to know children.
6. To help the student to become acquainted with books and materials of the classroom.
7. To help the student to become skillful in using correct procedures.
8. To give the student a view of the entire school curriculum.
9. To help to develop a professional attitude and to establish ideals of service among students.

Credits required in the professional courses are as follows:

Children's Literature-----	3	units
Educational Psychology-----	3	units
Curriculum Activities-----	3	units
Introduction to Education-----	3	units
Rural Education-----	2	units
Practicum in Art-----	2	units
Practicum in Music-----	2	units
Practicum in Physical Education-----	1½	units
Teaching I-----	2	units
Teaching II-----	8	units
Philosophy of Education-----	3	units

In the senior year each student teaches under guidance a grade three hours daily. He teaches in an upper grade for a nine-weeks' period and again in a lower grade for a nine-weeks' period.

After the student completes his teaching he takes a course in Philosophy of Education. Through this course an attempt is made to help him build up for himself a philosophy of education and thus a philosophy of life.

100. INTRODUCTION TO EDUCATION (I, II). 3 units

This course aims to give prospective teachers at the beginning of their professional training a broad outlook of the American system of education.

Three one-hour periods per week.

110. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (I). 3 units

General Psychology is prerequisite to this course. It involves the study of the learning activity of the individual from both the standpoint of the learner and the teacher. It includes the psychological principles involved in the teaching of subject matter as well as in extra-instructional activities involved under actual teaching conditions and procedures. The psychological values of visual education will also be emphasized.

Three one-hour periods per week.

111. GROWTH AND DEVELOPMENT OF THE CHILD (I, II). 3 units

A study of the psychological as well as the social development of the child including important aspects of mental hygiene involved in intellectual and emotional growth. The interrelationship of home, school, and community factors in child development is stressed.

Three one-hour periods per week.

115. INTRODUCTION TO EDUCATIONAL MEASUREMENTS AND DIAGNOSIS (II). 3 units

The nature and function of standard educational tests will be considered. Particular attention will be given to educational diagnosis which will enable students to discover and evaluate both strengths and weaknesses of individuals as a basis for effective guidance in remedial measures.

Three one-hour periods per week.

124. PHILOSOPHY OF EDUCATION (I, II). 3 units

This course is a study of the major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. CURRICULUM ACTIVITIES (I, II). 3 units

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an interpreted curriculum.

Three one-hour periods per week.

137. RURAL EDUCATION. 2 units

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Two one-hour periods per week.

172. PRINCIPLES OF JUNIOR HIGH SCHOOL EDUCATION. 2 units

This course deals with the principles underlying the organization, administration, and curriculum of the junior high school. Particular stress is placed on the peculiar problems involved in teaching adolescent children.

Two one-hour periods per week.

191. CHILDREN'S LITERATURE (I, II). 3 units

A survey and comprehensive study of the various phases of children's literature for grades one to eight, inclusive. The purpose of the course is to familiarize students with content and types of literature suitable for use in different grades, to develop some personal appreciation of the material, and to give methods of applying it.

Three one-hour periods per week.

192. CURRICULUM AND MATERIALS FOR KINDERGARTEN- PRIMARY. 3 units

A study of the curriculum, materials, and teaching techniques in the kindergarten-primary grades. Observation of lessons taught for demonstration purposes.

Two one-hour periods per week.

310. TEACHING I (I, II).**2 units**

Teaching I consists of observation, participation, individual and group teaching.

Three one-hour periods per week.

320. TEACHING II (I, II).**8 units**

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary, Junior High, or Kindergarten-Primary Credential.

321. TEACHING III (I, II).**2 or 3 units**

This course provides an opportunity for students of exceptional ability to do advanced teaching which will include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

**388. PRINCIPLES AND OBJECTIVES OF SCOUTING AND
OTHER TYPES OF BOYS' WORK (I).****2 units**

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

389. CAMP FIRE LEADERS' TRAINING COURSE (II).**1 unit**

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

ENGLISH

ENGLISH A (I, II).

This course gives drill in the mechanics of composition. It is required of all students who do not pass the entrance test in composition.

Three one-hour periods per week. No college credit.

1A. ENGLISH COMPOSITION (I, II). 3 units

Course offers weekly practice in writing exposition. Outlining, paragraph development, discovery and use of library resources are taught. Prerequisite: Passing grade in English A test or in course in English A.

Three one-hour periods per week.

1B. ENGLISH LITERATURE AND COMPOSITION (I, II). 3 units

English 1B is a course primarily introductory to the study of literature, although it offers a certain amount of further practice in writing. Prerequisite: English 1A.

Three one-hour periods per week.

30. RECREATIONAL READING 1A (I). 1 unit

Purpose to introduce the student pleasurable to some of the best modern writers. Preliminary talk of fifteen minutes, followed by silent reading—part fiction and part nonfiction. Students required to write appreciation notes for each book read.

Two one-hour periods per week.

56A. SURVEY OF ENGLISH LITERATURE (I). 3 units

The beginning of English literature and the main aspect of its development down to the Restoration (1660) are studied. Prerequisite: English 1B.

Three one-hour periods per week.

56B. SURVEY OF ENGLISH LITERATURE (II). 3 units

This course embraces the leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. NEWS WRITING (I, II). 3 units

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Three one-hour periods per week.

NOTE.—Journalism Minor: If there is sufficient demand, a minor will be offered in Journalism as follows:

Lower Division

News Writing-----3 units
Reporting -----3 units

Upper Division

Copy Reading-----3 units
Feature Writing-----3 units

English 1A and 1B, and 56A and 56B are prerequisites to the following upper division courses for students taking majors or minors in English. In certain cases an upper-division student not taking a major or a minor in English may, with the consent of the English department, elect some of the courses without the foregoing requirements.

106. VERSE FORMS (II). 3 units

A survey of the development of English verse forms, with practice in metrical analysis, and an application of knowledge acquired to modern poetry.

Three one-hour periods per week.

115. THE ENGLISH LANGUAGE (II). 3 units

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. SHAKESPEARE (II). 3 units

This course includes an intensive study of a few of Shakespeare's plays, and a rapid reading of some others.

Three one-hour periods per week.

130A. AMERICAN LITERATURE (I). 3 units

A brief survey of Colonial and Revolutionary literature is followed by a study of major writers of the nineteenth century to 1870.

Three one-hour periods per week.

The following courses will be offered over a period of two years, if necessary, the needs of the student enrolling determining just which courses will be given.

125C. THE ENGLISH NOVEL TO 1832. 3 units

The course studies the English novel from Richardson through the early nineteenth century. Ten novels will be reported on by students, three studied by class. Prefaced to the survey is a consideration of the forerunners of the novel. The course includes a study of the novel as a literary form, as well as a more minute analysis of the great novels.

Three one-hour periods per week.

151. CHAUCER. 3 units

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. ENGLISH LITERATURE FROM 1557 TO 1660. 3 units

157. ENGLISH LITERATURE FROM 1660 TO 1780. 3 units

158. ENGLISH LITERATURE FROM 1780 TO 1832. 3 units

159. ENGLISH LITERATURE FROM 1832 TO 1900. 3 units

Division of Speech and Drama**1A. PUBLIC SPEAKING 1A (I, II). 3 units**

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. PUBLIC SPEAKING 1B (I). 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice is provided in extemporaneous speaking and debate.

Three one-hour periods per week.

2A-2B. FUNDAMENTALS OF EXPRESSION AND INTERPRETATION (I, II). 3-3 units

This basic course in voice training and in the art of oral expression teaches the fundamental laws of interpretation and the manifestation of these principles through natural expression.

Three one-hour periods per week each semester.

10. THEORY AND TECHNIQUE OF ACTING (II). 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self confidence.

Three one-hour periods per week.

25 and 125. DRAMATIC WORKSHOP H (I, II). 2 units

A laboratory course in acting and in the technical practices of the stage. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance. For advanced students upper division credit will be given.

Three two-hour periods per week.

120A. ADVANCED DRAMATICS (I, II). 3 units

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Three one-hour periods per week.

155A. PLAY PRODUCTION (I). 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up. Prerequisite: Dramatic Technique.

Three one-hour periods per week.

155B. PLAY PRODUCTION (II).

3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

HOME ECONOMICS**1. PROBLEMS IN CLOTHING SELECTION AND CONSTRUCTION (II). 3 units**

A course dealing with the fundamental problems of clothing selection and construction, including the selection of correct color, line, texture, and design as an expression of personality. The use of the commercial pattern and general sewing equipment will be considered.

Three two-hour laboratory periods per week.

7. NUTRITION. 2 units

Fundamentals of nutrition and diet in relation to the body and its growth and development in normal condition and in disease.

Two one-hour lectures per week.

10. HOSTESS COURSE (I). 3 units

A study of food combinations for healthful meals, the different types of meal service, and the etiquette involved in the service of each. A conscientious study of the courtesies of home, business, and professional life.

Open to all women students.

Three two-hour periods per week.

114. ADVANCED CLOTHING (II). 2 units

The design and construction of garments of various fabrics by the use of standard patterns. Emphasis placed upon selection and technique.

Outside reading and a term paper required.

Three two-hour laboratory periods per week.

129. HOME MANAGEMENT. 2 units

A course aiming to train for the more efficient care and management of the home. Budgeting of time and money, the cost of furnishing and equipping a modern home, and the social and economic problems of family relationships are considered.

Two one-hour periods per week.

132. HOME DECORATION AND FURNISHING (I). 2 units

A study of the principles of art as applied to house-furnishing problems. Aims to develop intelligent judgment in selection of home furnishings from the standpoint of art, economy, and comfort.

One lecture, two two-hour laboratory periods per week.

INDUSTRIAL EDUCATION**5. POTTERY (I). 2 or 3 units**

An interesting course in an age-old industry. Designing, casting, throwing, modeling, glazing, and firing.

Two three-hour periods per week, or three three-hour periods per week.

6. MODELING (I). 2 or 3 units

A course planned for those interested in modeling the human form as a prerequisite for art, facial correction in dentistry, etc.

Two three-hour periods per week, or three three-hour periods per week.

7A. MECHANICAL DRAWING (I, II). 2 units

A fundamental course in mechanical drawing covering orthographic, isometric, and cabinet projection, intersection of solids, sections, screws and threads, gears, cams, blue prints, etc.

Two three-hour periods per week.

7B. ADVANCED MECHANICAL DRAWING (II). 2 units

An advanced course in mechanical drawing given to aid students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Three two-hour periods per week.

12. METAL ARTS (II). 3 units

A course in the application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. ARCHITECTURAL DRAFTING. 2 or 3 units

Foundation work in beginning house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in Mechanical Drawing either in high school or college is advisable as a background.

Two or three three-hour periods per week.

**15. RURAL SCHOOL HANDWORK AND TOYCRAFT
(WOMEN) (I, II). 3 units**

A course adapted to the use of the native materials, and waste products applied to work in the grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the lines tried.

20. BEGINNING WOODWORKING FOR WOMEN (I, II). 2 units

An experimental course offered especially for women who may be interested in making simple objects of furniture, and learning the use of the easier woodworking tools. Sewing cabinets, magazine holders, chests, and many other pieces of furniture can be made.

Two three-hour periods per week.

51. FUNDAMENTALS OF INDUSTRIAL EDUCATION (MEN)
(I, II). 3 units

A study of the fundamentals of industrial education and its application to the teaching of the subject in the grades. This includes methods, courses of study, construction of objects for grade work, and care and use of equipment.

Three three-hour periods per week.

52. BEGINNING WOODWORKING (MEN) (I, II). 2 or 3 units

Not planned for teachers. A study of the fundamentals of wood construction for those who wish to gain skill for a hobby or trade.

Two three-hour periods per week.

101. ADVANCED WOODWORKING (I, II). 2 or 3 units

Building of boats, airplane gliders, and large pieces of a similar nature. Prerequisite: Ind. Ed. 52.

Two or three three-hour periods per week.

103. THE ART OF HOUSE DESIGN. 2 or 3 units

A serious study of home planning and building. Prerequisite: Ind. Ed. 13.

Two or three three-hour periods per week.

105. ADVANCED POTTERY (I). 2 units

A serious study of the problems involved in pottery making as applied to teaching and commerce. Designing, decorating, throwing, packing, firing of the kiln are a few of the things studied.

Two three-hour periods per week.

123. PATTERNMAKING AND THEORY OF FOUNDRY PRACTICE (II). 3 units

A study in the basic principles of foundry practice and patternmaking. The construction of simple patterns, and the casting in the softer metals.

Three three-hour periods per week.

124. ADVANCED CABINET AND OTHER WOOD CONSTRUCTION (I). 2 or 3 units

An advanced course in woodwork offered for students interested either in teaching or in advanced construction problems.

Two three-hour periods, or three three-hour periods per week.

125. CARPENTRY. 3 units

A serious study of house construction. A recommended course to follow Industrial Education 103, The Art of House Design. Prerequisite: Industrial Education 52.

Three three-hour periods per week.

**126. ADVANCED CABINET AND WOOD CONSTRUCTION
FOR WOMEN.**

2 units

A course especially adapted for women interested in problems of an advanced nature in woodworking and cabinet work. Prerequisite: Industrial Education 20.

Two three-hour periods per week.

127. ADVANCED METAL ARTS (II).

2 or 3 units

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, as well as other metals.

Two or three three-hour periods per week.

130. ARCHITECTURAL DRAFTING AND DESIGN.

2 units

This course is planned to aid the student in designing practical, inexpensive, modern homes. Prerequisite: Industrial Education 7A.

Two three-hour periods per week.

MATHEMATICS**C. TRIGONOMETRY (I).****3 units**

A study of Plane Trigonometry and spherical right triangles. Prerequisite: Plane Geometry; one and one half years of high school Algebra, or course I.

Three one-hour periods per week.

1. INTERMEDIATE ALGEBRA (I).**3 units**

Quadratic equations, exponents and radicals, practice in the use of logarithms, and theory of equations, elementary determinants, progressions, and the binomial theorem. Prerequisite: one year of high school Algebra or General Mathematics.

Three one-hour periods per week.

2. MATHEMATICS OF FINANCE (I).**3 units**

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance. Prerequisite: Two years of high school algebra or Intermediate Algebra.

Three one-hour periods per week.

3A. PLANE ANALYTIC GEOMETRY (I).**3 units**

Cartesian and polar equations of the straight line, conic sections, and general equations of the second degree. Prerequisite: High school algebra, geometry, and trigonometry.

Three one-hour periods per week.

3B. DIFFERENTIAL CALCULUS (II).**3 units**

A continuation of plane analytics with a study of differential calculus, and an introduction to integral calculus. Prerequisite: Mathematics 3A.

Three one-hour periods per week.

20. MATHEMATICS OF THE ELEMENTARY SCHOOL (I, II).**3 units**

Operations and principles essential to the manipulation of fractions, equations, and formulae, with applications from design, graphics, statistics, investment, and engineering. Prerequisite: Elementary Algebra and Geometry.

Three one-hour periods per week.

21. INTRODUCTION TO BUSINESS MATHEMATICS (II).**3 units**

Principles of business mathematics; simple and compound interest; simple, successive, and bank discount; profit; loss; tax rates; annuities; graphs with practical applications.

Three one-hour periods per week.

104A. INTEGRAL CALCULUS AND SOLID ANALYTICS (I).**3 units**

Continues the development and application of the calculus; includes infinite series, partial derivatives. Prerequisite: Differential Calculus.

Three one-hour periods per week.

104B. INTEGRAL CALCULUS AND SOLID ANALYTICS (II).

3 units

A continuation of Mathematics 104A including quadric surfaces and multiple integration. Prerequisite: Mathematics 104A or Integral Calculus.

Three one-hour periods per week.

CIVIL ENGINEERING

1A-1B. PLANE SURVEYING (Year Course).

3-3 units

Principles, field practice, calculations, and mapping. Prerequisite: Plane Trigonometry and Geometrical Drawing.

Two one-hour lectures and one three-hour laboratory period per week.

MODERN LANGUAGES**French**

French is required or recommended for students majoring in fields in which foreign language is required in the lower division.

FRENCH A (I, II). 3 units

Elementary French. Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Four one-hour periods per week.

FRENCH B (I, II). 3 units

Elementary French. A continuation of French A. Prerequisite: French A or one year of high school French.

Four one-hour periods per week.

French C (I, II). 3 units

Intermediate French: Reading, grammar, and composition. Prerequisite: French B or two years of high school French.

Three one-hour periods per week.

FRENCH D (I, II). 3 units

Intermediate French: Continuation of French C. Prerequisite: French C or three years of high school French.

Three one-hour periods per week.

FRENCH 5A (I). 3 units

Advanced French: Reading. A brief survey of the development of French literature from the thirteenth to the eighteenth century. Reading of representative writers of this period. Prerequisite: French D or four years of high school French.

Three one-hour periods per week.

FRENCH 5B (II). 3 units

Advanced French: Reading. Continuation of French 5A. A survey of French literature from the eighteenth century to the present time.

Three one-hour periods per week.

Spanish**A. ELEMENTARY SPANISH (I). 3 units**

Pronunciation, fundamentals of grammar, reading of simple texts. Corresponds to first-year high school Spanish.

Four one-hour periods per week.

B. ELEMENTARY SPANISH (II). 3 units

Continuation of Spanish A. Corresponds to second-year high school Spanish. Prerequisite: Course A or one year of high school Spanish.

Four one-hour periods per week.

MUSIC**1A. INTRODUCTORY MUSIC READING—PIANO 1 unit**

This course includes work for those who wish to learn to play simple songs and rhythmic compositions. It is also open to students wishing to continue piano work.

One one-hour period per week.

1. INTRODUCTORY COURSE IN MUSICIANSHIP (I, II). 3 units

A required course for all students working for a teaching credential. Music majors not eligible. Course includes elementary work in ear training, sight singing, and piano keyboard; and is designed to give the fundamentals of music in a direct and concise manner. (Note: This course combines into one the old courses in Ear Training and Sight Singing and Introductory Music Reading—Piano).

Three one-hour periods per week.

2A. EAR TRAINING AND SIGHT SINGING (I). 2 units

Music majors only. (Music minors may take this course instead of 1 upon recommendation of the music department).

This course is designed to give a thorough foundation in the elements of music-tonal and rhythmical dictation, sight singing, and melodic writing. It covers major and minor modes on the treble and bass staves.

Three one-hour periods per week.

2B. ADVANCED EAR TRAINING AND SIGHT SINGING (II). 2 units

Music majors only. Prerequisite: Ear Training and Sight Singing

2A. This course includes dictation of intervals, chords and melodies; regular and irregular rhythms; and original melodies.

Three one-hour periods per week.

3A. MUSIC HISTORY AND APPRECIATION (I, II). 3 units

History of instrumental music composers and the development of instrumental music forms. It comprises a study from the beginning of the fantasia, the fugue, the sonata, the symphonic poem, and the symphony.

Three one-hour periods per week.

3B. MUSIC HISTORY AND APPRECIATION (I, II). 3 units

History of vocal music composers and the development of vocal music forms. It comprises a study of the opera, the oratorio, and the art song. Emphasis is placed upon hearing representative music of each type.

Three one-hour periods per week.

4A. HARMONY A (I). 3 units

Study of scale structure, intervals, primary chords and inversions, and writing of four-part harmony. Harmonization of given and original melodies. One hour of keyboard harmony included per week.

Three one-hour periods per week.

4B. HARMONY B (II).**3 units**

Secondary triads, non-harmonic tones, seventh chords and inversions, harmonic analysis, modulation. One hour of keyboard harmony included per week.

Three one-hour periods per week.

14A. HARMONY C (I).**3 units**

Altered chords, original composition, modulation, and ninth chords. One hour of keyboard harmony required per week.

Three one-hour periods per week.

14B. HARMONY D (II).**3 units**

Augmented sixth chords, more difficult modulations, whole-tone scale, secondary dominant formations. One hour of keyboard harmony required per week.

51. STRING INSTRUMENTS (I).**2 units**

Violin, viola, 'cello, string bass. Study and practice of one or more of the stringed instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

52. BRASS INSTRUMENTS (II).**2 units**

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

53. WOODWIND INSTRUMENTS (I).**2 units**

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

109. CONDUCTING (II).**2 units**

Interpretation and baton technique as applied to choral and instrumental ensembles.

Two one-hour periods per week.

190. PRACTICUM IN MUSIC (I, II).**2 units**

Survey of the field of public school music. Philosophy of music education illustrated by means of practical devices for teaching such phases as rhythmic interpretation, toy-symphony orchestra, correction of tone deficiency, rote singing, sight reading, and creative expression.

Two one-hour periods per week.

192. MUSIC APPRECIATION METHODS (I). 3 units

This course emphasizes a broad survey of musical literature. It is valuable for general culture and for those interested in teaching. It gives an up-to-date procedure of teaching such material to children from the first grade through the junior high school.

Three one-hour periods per week.

199. NORMAL COURSE IN PIANO PEDAGOGY.

Credit will be arranged on basis of number of lessons taken.

The Normal Course is for those who intend to teach piano and for teachers who wish to become more efficient and better acquainted with modern pedagogy.

This course will be given in a series of lectures accompanied by demonstrations of technical points involved.

MUSICAL ORGANIZATIONS**5A, B. WOMEN'S GLEE CLUB (I, II). ½ unit**

This course affords opportunity for the study of three- and four-part choral compositions, voice development, interpretation, building repertoire, and public appearance. Lower and upper division credit given.

Two one-hour periods per week.

6A, B. MEN'S GLEE CLUB (I, II). ½ unit

This course affords opportunity for study of four-part choral compositions, voice development, interpretation, public appearance, and building well balanced programs. Lower and upper division credit given.

Two one-hour periods per week.

7A, B. A CAPPELLA CHOIR (I, II). 1 or 2 units

The a cappella choir members are chosen by the director from the best voices in the men's and women's glee clubs. The choir presents several concerts before the public each year. Lower and upper division credit given.

Two two-hour periods per week.

10A, B. ORCHESTRA (I, II). ½ unit

The orchestra affords qualified students an opportunity for study of good orchestral composition, and for learning to play with good interpretation and finish and precision. Outside practice is necessary. For advanced students upper division credit will be given.

One two-hour period per week.

APPLIED MUSIC

One unit of credit will be given for one-half hour lesson per week and the necessary practice for the lesson.

Private Piano	per month	\$5 00
String Instruments		1 25
Voice—Mr. Jeffers		1 50
Band and Orchestra Instruments.....		

The fees are for half-hour lessons except in piano.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Every student is required to take Hygiene, and every student carrying 12 or more units of work is required to take Physical Education unless excused by the Director of Health Service and Physical Education. This activity requirement is administered on the basis of two one-hour periods per week.

Freshman men are required to take P.E. 50A, and freshman women P.E. 52A. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Courses for Men

50A. FRESHMAN PHYSICAL ACTIVITIES (Required) (I, II).

$\frac{1}{2}$ unit

This course consists of a program of games such as touch football, basketball, volleyball, handball, and playground baseball. Some games of simpler type, and elements of tumbling are included.

50B-D. PHYSICAL ACTIVITIES (I, II).

$\frac{1}{2}$ unit

62A-H. ATHLETICS (I, II).

$\frac{1}{2}$ or 1 unit

(1 unit per semester for first year.)

Football and basketball (fall semester).

Basketball, baseball, track and field (spring semester).

71. BOXING (I).

$\frac{1}{2}$ unit

192A. METHODS IN COACHING (I).

2 units

Football, soccer, speedball, and basketball.

Two one-hour periods per week.

192B. METHODS IN COACHING (II).

2 units

Baseball, track and field, and tennis.

Two one-hour periods per week.

Courses for Women

52A. FRESHMAN PHYSICAL ACTIVITIES (Required) (I, II).

$\frac{1}{2}$ unit

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body functions or normal body mechanics.

- 61A-B. NATURAL DANCING (I, II). ½ unit
 63A. FIELD HOCKEY AND VOLLEYBALL (I). ½ unit
 63B. BASKETBALL, BASEBALL, AND SPEEDBALL (II). ½ unit
 80. THEORY OF RHYTHMS (I). 1 unit

A study of the dance field. Consideration of all types of rhythmic work for elementary and secondary schools. Educational program possibilities.

One one-hour period per week.

- 193A. METHODS IN TEACHING ATHLETICS (I). 2 units
 Field hockey, soccer, speedball, volleyball, handball.
 Two one-hour periods per week.
 193B. METHODS IN TEACHING ATHLETICS (II). 2 units
 Basketball, baseball, tennis, track and field.
 Two one-hour periods per week.

Courses for Men and Women

2. HYGIENE (I, II). 2 units

An informational course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

- 54A-D. RESTRICTED ACTIVITIES (I, II). ½ unit

Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.

Two one-hour periods per week.

- 60A-B. CLOG AND TAP DANCING (I, II). ½ unit

- 60C. TAP CLUB (I, II). ½ unit

Advanced technique; original numbers required of students; participation in school programs.

Two one-hour periods per week.

- 64A-C. TENNIS (I, II). ½ unit

- 66A-C. ARCHERY (I, II). ½ unit

- 69A-B-C-D. INDIVIDUAL SPORTS (I, II). ½ unit

A-B—Badminton, deck tennis, paddle tennis, table tennis, horseshoes,

C—Boxing.

D—Fencing.

70. GOLF. ½ unit

72. BALLROOM DANCING (I, II). ½ unit

Basic dance techniques; foxtrot, waltz, and tango routines. Dance etiquette.

Two one-hour periods per week.

100. FREE-PLAY ARCHERY, FREE-PLAY GOLF, FREE-PLAY
HANDBALL, FREE-PLAY TENNIS, or FREE-PLAY
BADMINTON. (I, II). $\frac{1}{2}$ unit

Open to senior students who have had previous instruction in the activity and who are approved by the staff.

190B. METHODS IN SINGING GAMES AND FOLK DANCES
(I, II). $\frac{1}{2}$ unit

Participation in and conduct of singing games and folk dances suitable for children of the elementary school and junior high school.

190C. ADVANCED FOLK DANCING (II). $\frac{1}{2}$ unit

Recreational folk dancing. Prerequisite: P.E. 190B.

151. APPLIED KINESIOLOGY AND METHODS IN CORRECTIVE PHYSICAL EDUCATION (I). 4 units

The combined course includes a study of the anatomy of muscles, bones, joints, and of the nervous system as a basis for understanding bodily movement in exercise and sports; the principles underlying good body mechanics; the causes, correction and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program, equipment facilities and procedure; the fundamentals and practice of massage. Much of the work is practical. No prerequisites except upper division standing.

Four one-hour periods per week.

175. PRINCIPLES OF PHYSICAL EDUCATION (I). 3 units

The evaluating of the history of physical education, the weighing of current problems in the field, the setting-up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. PRINCIPLES OF COMMUNITY RECREATION (I). 2 units

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

195. METHODS IN HEALTH EDUCATION (II). 2 units

A study of the principles underlying Health Education as a school program rather than as a teaching subject. Stress is laid on the organization and administration of the health-service program as well as on methods in health teaching.

Two one-hour periods per week.

198. CONFERENCE ON SECONDARY SCHOOL PHYSICAL
EDUCATION (II). 2 units

199. PRACTICUM IN PHYSICAL EDUCATION (I, II). $1\frac{1}{2}$ units

The organization of the physical education program in Grades I through VIII.

One class hour, two activity hours, and one observation hour per week.

SOCIAL SCIENCE**Economics****1A. PRINCIPLES OF ECONOMICS (I, II). 3 units**

The evolution of modern capitalistic industry; followed by a more intensive study of our present economic organization and of the economic laws governing value and price.

Three one-hour periods per week.

1B. PRINCIPLES OF ECONOMICS (II). 3 units

A continuation of course 1A, dealing with the distribution of wealth and income, government finance, labor problems, and proposed methods of reform of our economic system.

Three one-hour periods per week.

113. ECONOMIC AND SOCIAL HISTORY OF THE UNITED STATES. 3 units

A study of the development of American economic institutions and of the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

135. PRINCIPLES OF MONEY AND BANKING (I). 3 units

A study of the nature and function of money and credit followed by a study of the structure and functions of the most important financial institution in American economic society. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

150. LABOR ECONOMICS (I). 3 units

A survey of modern labor conditions followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

151. PROGRAMS OF ECONOMIC SECURITY. 2 or 3 units

A study of the causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning, unemployment and old age insurance, security against industrial accidents and occupational diseases, health insurance, and public relief.

Three one-hour periods per week.

189. SOCIAL AND ECONOMIC ASPECTS OF IMMIGRATION (II). 3 units

A brief survey of the history of immigration into the United States followed by a more comprehensive study, both qualitative and quantitative, of recent tendencies. Prerequisite: 6 units of lower division Economics.

Three one-hour periods per week.

195. PRINCIPLES OF INTERNATIONAL COMMERCE (II).

3 units

A study of the theory of international trade, balance of trade and payments, foreign exchanges and foreign trade financing, international debts, government control and direction of international trade. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

Geography**1. INTRODUCTION TO GEOGRAPHY: PHYSICAL ELEMENTS**

(II).

3 units

The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.

Three one-hour periods per week.

2. CULTURAL AND REGIONAL GEOGRAPHY (I, II). 3 units

A brief study of the physical environment as the home of man followed by a more intensive study of human activities as affected by this environment, supplemented by class reports on geographical regions.

Three one-hour periods per week.

History**4A. HISTORY OF WESTERN CIVILIZATION (I, II).** 3 units

The cultural, religious, institutional, political, and economic foundations of modern European history; a rapid survey of ancient, medieval, and modern history to the eighteenth century.

Three one-hour periods per week.

4B. HISTORY OF WESTERN CIVILIZATION (I, II). 3 units

The strategic, political, economic, and cultural foundations of contemporary European and world history, with emphasis upon international relations. The course covers the period from the eighteenth century to the present.

Three one-hour periods per week.

146. CONTEMPORARY EUROPE (II).

3 units

Europe since 1870; the immediate causes of the World War; new Europe since 1914; contemporary international relations.

Three one-hour periods per week.

**153. ENGLAND UNDER THE TUDORS AND STUARTS,
1485-1714 (I).**

3 units

The strong monarchy, the reformation, the early Stuarts, the Puritan Revolution, the Civil War, Cromwell, the Restoration, the revolution of 1688, and the rise of the English colonies. Prerequisite: 6 units of lower division history.

Three one-hour periods per week.

155. HISTORY OF THE BRITISH EMPIRE SINCE 1750 (II). 3 units

The older overseas empire and its transformation; the empire after 1783; the rise, federation, and imperial relations of the dominions, the crown colonies; India under British rule. Prerequisite: 6 units of lower division history.

Three one-hour periods per week.

165A-165B. HISTORY OF MODERN EUROPEAN EXPANSION (I, II). 3-3 units

The growth of colonial empires after 1492; motives, rivalries, and policies of expansionist nations in the occupation and exploitation of dependent areas; the growth of administrative methods. Prerequisite: 6 units of lower division history.

Three one-hour periods per week.

189. HISTORY OF THE PACIFIC COAST (I). 3 units

The Spanish period; the frontier in America history; the conquest and development of the Pacific Coast region of the United States.

Three one-hour periods per week.

Philosophy

5A. INTRODUCTION TO PHILOSOPHY (I). 3 units

An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources including the philosopher poets and contemporary writers.

Three one-hour periods per week.

5B. INTRODUCTION TO PHILOSOPHY (II). 3 units

A special consideration of the basic problems of philosophy including historical references to solutions presented in the past. Lectures, reading, and discussions with appropriate tests.

Three one-hour periods per week.

Political Science

1A. COMPARATIVE GOVERNMENT. 3 units

The political organization of Great Britain and her self-governing dominions, of France, Belgium, and Italy; cabinet systems, parliamentary and judicial organization; political parties. (Not offered 1937-1938.)

Three one-hour periods per week.

1B. COMPARATIVE GOVERNMENT. 3 units

This is a continuation of course 1A, dealing with similar features in the governments of Switzerland, Germany, Russia, Japan, and the United States. (Not offered 1937-1938.)

Three one-hour periods per week.

151. AMERICAN NATIONAL GOVERNMENT (I, II). 3 units

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Three one-hour periods per week.

Psychology

1. GENERAL PSYCHOLOGY. 3 units

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

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HUMBOLDT STATE COLLEGE BULLETIN

Volume XXXI, No. 1

April, 1939

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CIRCULAR OF INFORMATION

COLLEGE YEAR 1938-1939

A State College for the Training of Teachers for the Public Schools
and for General College Work

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Published four times annually in the months of February, April,
May, and June



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INTRODUCTORY

CALENDAR, 1938-1939

Fall Semester 1938

Monday, September 12-----English A Test, 10 a.m.
Monday, September 12-----Freshman Registration, 1 p.m. to 5 p.m.
Tuesday, September 13-----General Registration, 9 a.m. to 5 p.m.
Wednesday, September 14-----Instruction begins
Friday, November 11-----Armistice Day
Thursday, November 24, to Sunday, November 27----Thanksgiving recess
Saturday, December 17, to Sunday, January 1-----Christmas holidays
Monday, Tuesday, Wednesday, Thursday, January 23-26-----
-----Semester examinations

Spring Semester 1939

Monday, January 30-----English A Test, 9 a.m.
Monday, January 30-----General Registration, 9 a.m. to 5 p.m.
Tuesday, January 31-----Instruction begins
Wednesday, February 22-----Washington's Birthday
Saturday, April 1, to Sunday, April 9-----Spring vacation
Tuesday, May 30-----Memorial Day
Monday, Tuesday, Wednesday, Thursday, June 5-8-----
-----Semester examinations
Friday, June 9-----Commencement

Summer Session 1939

Five weeks -----June 26 to July 29
Term 1A (Two and one-half weeks) -----June 26 to July 12
Term 1B (Two and one-half weeks) -----July 13 to July 29

Fall Semester 1939

Probable Dates

Monday, September 11-----English A Test, 10 a.m.
Monday, September 11-----Freshman Registration, 1 p.m. to 5 p.m.
Tuesday, September 12-----General Registration, 9 a.m. to 5 p.m.

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B.Ed., M.A., University of Washington; additional graduate study, University of California, Columbia University. Director Teacher Training, San Francisco State Teachers College; Summer Session Faculty, University of Washington, University of Utah, George Peabody College for Teachers, University of California, University of Southern California, University of Texas. Author: "Elementary School Supervision"; "Administration of an Elementary School"; "Clarifying the Teacher's Problems"; "Administration of Supervision"; "The Teaching and Supervision of Reading" (co-author); "New Stories from Eskimo Land" (co-author). Editor of Yearbooks, Department of Elementary School Principals, National Educational Association.

ARNOLD, HOMER L., M.A.

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HICKLIN, MAURICE, M.A.

PROFESSOR OF ENGLISH

A.B., University of Missouri; B.J., School of Journalism, University of Missouri; M.A., Stanford University. Graduate teaching assistant, University of Missouri; Instructor, University of Washington; Graduate teaching assistant, Stanford University; Summer Session Faculty, University of California at Los Angeles.

JEFFERS, EDMUND V., M.Mus.

ASSOCIATE PROFESSOR OF MUSIC

B.M. Ed., Illinois Wesleyan University, Bloomington; M. Mus., Bush Conservatory, Chicago. Studied voice with Theodore Harrison and composition with Jeanne Boyd; studied choral technic and interpretation with Father Finn. (On leave of absence 1938-39.)

JENKINS, HORACE R., M.S.

PROFESSOR OF INDUSTRIAL ARTS

Graduate, Central State Teachers College, Oklahoma, four-year Classical Course and three-year Art and Shop Course; additional study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University; B.S., M.S., Oregon Agricultural College. Assistant in Art, Oklahoma State

Teachers College; practical experience in the trades and industries; experience as owner and manager of a commercial pottery shop.

JOHNSON, ADELLA, M.A.

ASSOCIATE PROFESSOR OF MODERN LANGUAGES

A.B., University of Minnesota; M.A., University of Washington; additional graduate study, University of Washington, Stanford University, Columbia University, University of Minnesota, University of Paris, France. Travel in Europe with Intercollegiate French School. Teaching Fellow in French, University of Washington; Instructor in French and Latin, State Teachers College, Spearfish, South Dakota.

KINSMAN, GEORGE DANA, M.Mus.

ASSOCIATE PROFESSOR OF MUSIC

B.Mus. and M.Mus., Illinois Wesleyan University. Music Instructor, City Schools, Towanda and Anchor, Illinois; Director Choir, Community Center; five seasons professional music work; radio broadcasting, Bloomington and Peoria, Illinois; Memphis, Tenn.; Minneapolis, Minn.

LANPHERE, WILLIAM M., Ph.D.

ASSOCIATE PROFESSOR OF BIOLOGICAL SCIENCE

B.S., M.S., and Ph.D., University of Washington. Teaching Fellow and Associate in Biological Science, University of Washington; Instructor, Western Washington College of Education.

LITTLE, STELLA SANKEY, M.A.

PROFESSOR OF ART

A.B., Stanford University; graduate study, Stanford University, University of California; study of masterpieces in art in various art galleries of Europe; M.A., and Fine Arts Supervision Certificate, Columbia University; Summer Session, Eugene, and Post Session, Alaska, University of Oregon; Summer Session, University of Oregon. Summer faculty in Art, San Jose State Teachers College; Instructor in Art, Stanford University.

LITTLE, THEODORE, M.A.

ASSISTANT PROFESSOR OF SPEECH

A.B., Northwestern University; A.M., University of California. Teacher, Hutchinson Junior College, Hutchinson, Kansas; Director of Little Theatre, Chicago Circuit Theatre, Workers' Theatre, New York City, Hutchinson Community Theatre, and Chattanooga Little Theatre.

MACGINITIE, HARRY D., Ph.D.

ASSOCIATE PROFESSOR OF PHYSICAL SCIENCE

A.B., Fresno State Teachers College; Ph.D., University of California. Research worker, American Museum, and Lecturer, University of Colorado. Author: "The Trout Creek Flora of Southeastern Oregon."

MCKITTRICK, MYRTLE M., A.B.

RECORDER

A.B., Willamette University; graduate study, University of Washington. Principal, Wallowa High School, Wallowa, Oregon; Principal, Boistfort Union High School, Klaber, Washington; Secretary, Arcata Union High School.

PLATT, IMOGENE B., A.B.

ASSISTANT PROFESSOR OF ENGLISH

A.B., University of Washington; graduate study, University of Washington, Stanford University. Registrar, Humboldt State Teachers College.

SCHUSSMAN, LEO GEORGE, M.A.

PROFESSOR OF EDUCATION AND PSYCHOLOGY

Graduate of Oshkosh Norman School; Ph.B., University of Chicago; M.A., University of Wisconsin; additional graduate study, Stanford University, University of Wisconsin. Elementary and high school teacher; Elementary school principal; Superintendent of Schools; Principal, Outagamie County Normal School, Wisconsin;

Director of Summer Session, Humboldt State Teachers College, 1925;
Summer Session Faculty, Fresno State Teachers College.

TELONICHER, FRED, A.B.

ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

A.B., Fresno State Teachers College; Graduate study, Stanford University; European travel.

TOLLE, VERNON O., Ed.D.

PROFESSOR OF EDUCATION

M.A., University New Mexico; Ed.D., University of California. Teacher in rural, elementary, and high schools; high school and elementary school principal; Superintendent of Schools; Executive Secretary, New Mexico Educational Association.

WALTER, ELLEN J., B.S.

ASSOCIATE PROFESSOR OF HOME ECONOMICS

B.S., Oregon State College; graduate work, University of Oregon, University of California, and Oregon State College. Experience as high school instructor and director of cafeteria.

WILSON, BERT F., M.A.

PROFESSOR OF COMMERCE

M. Accts., B.S., B.D., Western Normal College (Iowa); M.A., Stanford University; graduate study, Universities of California and Washington. Principal, Shenandoah Commercial Institute, Shenandoah, Iowa; ten years an Iowa banker.

WILSON, GARFF BELL, M.A.

MEN'S ADVISER AND ASSOCIATE PROFESSOR OF SPEECH

A.B., M.A., University of California; travel and study in Europe; member of International Speaking Tour of the English Universities, 1930; student and actor at the Pasadena Community Playhouse, summers of 1934, 1935, 1936. Private class in Public Speaking and Dramatics, Los Angeles; Teaching Fellow, Department of English, University of California; Production Manager, Greek Theater Plays, University of California; Summer Session Faculty, San Diego State College. (On leave of absence 1938-39.)

WOODCOCK, JESSIE TURNER

FINANCIAL SECRETARY

Graduate Humboldt State Teachers College. Postal clerk; book-keeper.

Part-Time Instructors

DALE, DOROTHY LUCILE, M.Mus. INSTRUCTOR IN INSTRUMENTS

B.M., College Pacific; M.Mus., Eastman School of Music; advanced study on violin. Played violin and bassoon in various orchestras. Teacher of Instrumental Music in Fortuna High School.

GIDDINGS, FRANCES, M.A.

LECTURER IN EDUCATION

A.B., University of California; M.A. and Professional Diploma in Supervision of Kindergarten and Elementary Grades, Columbia University; additional graduate study, University of Southern California. Teacher and Supervisor of Kindergarten-Elementary Grades; Kindergarten-Primary Supervisor of Training and Instructor in Education, University of California at Los Angeles; Instructor in summer sessions; Northern Arizona State Teachers College, University of Nevada, University of Iowa, Milwaukee State Teachers College; Rural Supervisor of Mendocino County; Vice Principal and Supervisor of Fort Bragg Union District Schools.

JACKSON, ROWENA FAYE

INSTRUCTOR IN PIANO

Studied piano and harmony with Katherine A. Rood and Hans Bruening; studied pipe-organ, piano and composition with Dr. Clarence E. Shepard; graduate Grafton Hall School of Music. Graduate teacher in normal methods in piano and harmony, Carrol College; for ten years assistant to Dr. Clarence Shepard at Grafton Hall with classes accredited at University of Wisconsin in piano, harmony, history of music and music analysis; teacher of private classes in piano, pipe-organ harmony; accredited high school teacher of piano in California.

LEONARD, FREDERICK R., M.A.

LECTURER IN EDUCATION

A.B., Park College, Missouri; M.A., University of Missouri; additional graduate study, Stanford University. Assistant in Chemistry, Park College; Principal, Carl Junction High School, Missouri; Superintendent of Schools, Amity and Braymer, Missouri; Rural Supervisor of Schools, Mendocino County.

McKINNON, FLORENCE, A.B.

INSTRUCTOR IN SPEECH

Graduate, San Jose Normal; A.B., San Jose State Teachers College; graduate study, University of California; special speech study, Elementary teacher at Table Bluff, Upland, and Eureka, California. Supervisor of Speech Correction, Eureka, California.

TAYLOR, JOHN W., A.B.

LECTURER IN EDUCATION

A.B., University of California; graduate work, Stanford University. Assistant Instructor in Public Speaking, Stanford University; County Superintendent of Schools, Mendocino County.

Teachers In College Elementary School

CLUXTON, HENRY T., M.A.

KOCH, ESTELLE P., A.B.

McKAY, ELEANOR, A.B.

WILLIAMS, DOROTHY E., A.B.

FACULTY COMMITTEES—1938-1939**Advanced Standing**

President Gist
Mrs. McKittrick
Miss Platt

Assembly

Mrs. Hadley, Chr.
President Gist
President Student Body
Mr. Kinsman
Mr. Little

Curriculum

President Gist
Miss Craig
Dr. Balabanis
Mr. Hicklin
Dr. MacGinitie
Mr. Schussman

Honor Awards

Mrs. Folsom
President Gist
Miss Johnson

Placement

Dr. Tolle, Chr.
Miss Bestor
Miss Dickson
President Gist
Mrs. McKittrick

Recreation and Social Life

(Faculty)
Miss Bestor
Mrs. Little
Dr. MacGinitie
Mrs. Woodcock

Registration

President Gist
Mrs. McKittrick
Miss Platt

Scholarship

Dr. Balabanis
Miss Dickson
President Gist
Miss Johnson
Mrs. McKittrick
Miss Platt

Student Affairs

Dr. Balabanis
Miss Craig
Mrs. Hadley
Two Students

Student Employment

President Gist
Mrs. Hadley
Mr. Garff Wilson
Mrs. Woodcock

Student Loans

Mr. Arnold
Mr. Bert Wilson
Mr. Garff Wilson

GENERAL INFORMATION

The chief purposes of Humboldt State College are as follows:

1. To train teachers and administrators for the kindergarten, elementary, and junior high school grades.
2. To offer four of the five years of college work required for high school teaching.
3. To give four years of cultural liberal arts work for those desiring the A. B. degree.
4. To give the preliminary years of liberal arts college work now demanded of students before they take the specialized training offered by universities for many of the professions, such as agriculture, dentistry, engineering, forestry, law, medicine, nursing, and pharmacy.
5. To give lower division work in liberal arts and commerce for students who plan to major in either of these fields at some other college or university.
6. To give the first two years for the A.B. degree in music.
7. To give certain terminal courses for students who desire one or two years of college work in certain fields before entering business.

The College offers the following curricula:

I. Professional courses

- A. Elementary Credential Course
- B. Junior High School Credential Course
- C. Kindergarten-Primary Credential Course
- D. Physical Education Credential Course for Elementary, Junior High School, and Senior High School
- E. Combinations
 1. Elementary and Junior High School
 2. Elementary-Kindergarten-Primary
 3. Elementary-Physical Education
 4. Junior High School-Physical Education

- II. Pre-Secondary and Liberal Arts Degrees (A.B.) in
 - A. Allied Arts
 - B. Biological Science
 - C. English
 - D. Social Science
 - E. Economics and Business
- III. Bachelor of Education Degree
(Not a credential course)
- IV. Pre-Professional Courses
 - A. Agriculture
 - B. Dentistry
 - C. Engineering
 - D. Forestry
 - E. Home Economics
 - F. Law
 - G. Medicine
 - H. Music
 - I. Nursing
 - J. Pharmacy
- V. Lower Division Liberal Arts and Commerce Courses
- VI. Commercial Courses

ADMISSION REQUIREMENTS

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's or quarter's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students, but such persons may be granted full matriculation

only upon the removal of all deficiencies and upon the completion of one full semester's or quarter's satisfactory college work in the chosen curriculum.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

Admission With Advanced Standing

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State College authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

Matriculation in Other Institutions

Courses taken at Humboldt are evaluated credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major

subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our presecondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The University of California Graduate Division finds that it is rarely, if ever, possible for a graduate with the A.B. degree from any institution to receive the high school credential and also the master's degree in one year.

GENERAL REGULATIONS FOR STUDENTS**Registration**

In order to have plenty of time to discuss with each student his special needs and to insure guidance by those qualified, whenever possible the College registers each student several weeks in advance under a faculty adviser who is especially qualified to confer with students regarding their course of study.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the term.

Students will meet at the College on the appointed days to complete formal registration and to pay all fees. Students registering after the appointed date are required to pay a late registration fee of \$1. Students registering late must make special arrangements with the administration and the faculty concerned.

Changes in registration made subsequent to the regular day of registration must be approved by the faculty adviser and the faculty members concerned.

English A

An examination in English fundamentals, known as the "English A" examination, is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in "English A" in some other college are required to take this examination; those who fail will be enrolled in the non-credit course in "English A."

College Aptitude Test

All new students are required to take the college aptitude test, notice for which will be given early in the semester.

Health Service and Examination

In order to safeguard the health of the students the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At

least three medical examinations are given each student, as follows:

- (1) At entrance (including a dental examination).
- (2) During the junior year.
- (3) Before graduation.

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is being provided at special rates.

Physical Education

Every student carrying 12 or more units is required to take physical education unless excused by the Director of Health and Physical Education.

Orientation

An orientation course, meeting every other week, is required of all freshman students. This course provides an opportunity for analysis and discussion of college problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, and matriculation in other institutions, and also for planning and conducting group activities for recreation and self-improvement.

Student Programs

Semester Unit

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation per week for eighteen weeks with two hours of preparation for each recitation. It may be administered as three recitations per week for eighteen weeks without outside preparation.

Normal Program

Fifteen or sixteen units of work in addition to a half unit activity in physical education constitute an average program for a semester. According to the definition of semester unit given above this means forty-eight hours of actual work each week.

Variation from the normal program may be permitted by the student's adviser, such permission to be based on the demonstrated ability of the student, measured in terms of his

“index of scholarship.” The following chart is used as the basis for granting petitions for programs which vary from the normal program:

<i>Index of scholarship</i>	<i>Student load for following semester</i>
1.75 and above-----	18½ units
1.25-1.74 -----	17½ units

The adviser secures a health statement from the Health Department for all students who apply for more than 16½ units of work.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

A student registered for six or more units is classified as a regular student.

Scholarship Index

The Scholarship Index is the honor-point average and gives the average scholarship of the student. It is derived by dividing the total number of honor points earned by the total number of registered units.

Course Numbers

Lower Division

Lower division courses are introductory and survey courses which compose the first and second years of the curriculum. They are numbered from 1 to 99, inclusive.

Upper Division

Upper division courses are advanced courses in a department of instruction that has been pursued in the lower division, or they may be advanced work of such difficulty as to require the maturity of upper division students. They are numbered 100 or above.

The general prerequisite for all upper division courses is sixty semester units.

Classification of Students

Students having less than 30 semester units of credit are classified as freshmen. Those having from 30 to 59 semester units are classified as sophomores; those having from 60 to 89 units are classified as juniors; and those having 90 or more are classified as seniors.

Marking System

Grades

A five-point marking system is used, A, B, C, or D, indicating a passing grade, and F meaning failure. Plus (+) as given in certain courses, means "passed" without definite grade except in physical education, where it means C or better. Inc., means incomplete; W., withdrawn.

Of the passing grades D may be interpreted as "passing work"; C, "good work"; B, "excellent work"; A, "superior work."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not to be given to students who are failing or who are dilatory.

Incompletes must be made up within the next year of residence, or they automatically becomes Failures.

Honor Points

The passing grades carry the following honor points: A, 3 honor points per semester unit; B, 2 points per unit; C, 1 point per unit; D, no honor points; +, 1 point per unit; F, — 1 point per unit.

Reports

At the end of the semester reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having special difficulties in certain subjects are periodically interviewed by the President.

Scholarship Regulations

Graduation Requirements

The degree of Bachelor of Arts is granted upon completion of a curriculum approved by the college; 124 semester units, including 24 semester units completed in residence, are minimum requirements.

A general scholarship average of "C" is required for graduation from any degree curriculum of the College.

A general scholarship average of "C," together with an average of "C" in both minors is required for graduation from the General Junior High School curriculum.

Student Teaching Requirements

The requirements for student teaching are as follows:

1. Scholarship average of "C."
2. Fulfillment of teacher-training requirements in fundamentals.
3. Desirable personal qualities.
4. Physical fitness.

A grade of "C" or better is required in student teaching in every field for which a credential is granted by the College.

Students who do not receive a grade of "C" in student teaching and who wish to do more work in this field, will be marked incomplete, at the close of their first semester's work.

Students are limited to two semesters' trial for a grade of "C" in student teaching.

NOTE.—The "C" average applies to students enrolling in Teaching I and Curriculum Activities, since it is not good for students to have a lapse between Curriculum Activities, Teaching I, and Teaching II.

Withdrawal from Courses

A student in residence dropping a course with official approval during the first six weeks of any semester will not have that course reported or charged against his record for that semester.

During the second six weeks of any semester, a student in residence may be permitted to drop a course without prejudice to his record in case this is done with the approval of his adviser, such approval to be based presumably upon considerations of health, outside work, or other matters for which the student is not held culpable. Otherwise, the dropping of a course during this interval will be recorded as a Failure.

During the final six weeks of any semester, the dropping of a course by a student in residence will result in a record of Failure or Incomplete, depending upon whether the work has been of passing grade up to the time of withdrawal.

Withdrawal from College

Upon petition, an honorable dismissal or an indefinite leave-of-absence may be granted to any student in good standing,

provided arrangements have been made with the faculty adviser and the Recorder. Students withdrawing from college with official sanction during the first twelve weeks of any semester shall be given "W's." Those who withdraw during the last six weeks of any semester shall be given "W's" or "F's," depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college near the end of any semester, should ask for a leave of absence instead of a withdrawal if they expect to make up their work and receive credit.

Students who neglect to comply with these regulations shall be reported as Failures.

Students who discontinue their work without formal petition for leave-of-absence do so at the risk of incurring failing marks in their subjects and at the risk of having their registration privileges curtailed or entirely withdrawn.

Probation

Students whose scholarship is low are subject to probation. Scholarship average during the probationary semester must be satisfactory. Each case is considered individually upon its merits.

Disqualification

Students whose scholarship average for any semester falls below a "D" average are subject to disqualification. Students whose personal conduct is unsatisfactory may be disqualified by faculty action at any time.

Disqualified students may apply to the faculty for re-admission after a semester has passed. This application must be accompanied by evidence of serious desire to do better work.

Class Attendance

A student will be permitted to enter upon the study of any subject only when the instructor in charge is satisfied that the student is competent to undertake it. Any member of the faculty may exclude from his course any student who has neglected the work of the course or has been discourteous.

The college believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should secure the approval of the President's secretary. Freshmen

who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Participation in Extra-curricular Activities

Participation in extra-curricular activities conducted by the Humboldt State College is subject to regulation by the department concerned and the administration.

Fundamentals

All students in the teacher-training courses are required to show an everyday working knowledge of the fundamental subjects in the elementary curriculum—English, grammar, arithmetic, history, geography, and spelling. Necessity for doing work in fundamentals will be evidenced by illegible writing, misspelled words, poor sentence structure in written work in any of the college courses, and by standardized tests and measurements which will be given during the sophomore or junior year to all candidates for student teaching.

Students whose skill in the fundamentals is not satisfactory must bring their work up to standard before they will be permitted to enroll for student teaching. This may be done by independent study or by enrolling in the fundamentals course which gives a thorough review of the required subject matter.

A second examination in the fundamentals may be given to all students before graduation.

Candidacy for Graduation

Students should notify the Recorder of their candidacy for graduation not later than the beginning of the senior year. This notification makes it possible for the student's record to be checked and for the student to be notified if current programs do not fulfill graduation requirements. Failure to make proper application may cause a delay in graduation.

Extension Credit

Extension work taken in other institutions is allowed only up to ten per cent of the total course requirement.

STUDENT EXPENSES**Living Arrangements**

Living arrangements for all students must be approved by the College administration. A list of approved rooms is provided by the Financial Secretary.

All lower division women students whose homes are outside of Arcata and Eureka are expected to live at Sunset Hall, the dormitory, unless special arrangements have been made with the Dean of Women by the parents. It is advisable for upper division women also to reside at Sunset Hall. A few men students are housed in a separate unit of the dormitory.

Sunset Hall is in charge of the Head Resident under the direction of the President. A most wholesome family spirit prevails. This hall is provided with a pleasant living room which is the center for many pleasant social gatherings. Improvements each year are making the dormitory more comfortable and more attractive.

Rooms at Sunset Hall are rented for the semester at the rate of \$5.50 a month when two occupy the same room. Single rooms are rented at \$11 a month. Students furnish all bedding and linen, including mattress protector and towels. Rooms are rented for the entire semester. Any student who finds it necessary to leave the dormitory during the semester should first consult the Head Resident and then submit two weeks' notice to the Financial Secretary.

It is important that the College have correct local addresses for all students. These addresses are kept in the office of the Secretary of the President and also in the office of the Recorder.

The College Commons is under the supervision of a trained director. Meals are served at cost.

FEES**General**

(Required of all students taking six or more semester units)

Regular semester registration fee	\$6 50
Student Body fee per semester	5 00
Student-annual fee (second semester only)	2 50
Physical Education fee per semester	1 50
Health fee per semester	0 75
Hospitalization fee per semester	0 25

Special

Registration fee for students taking less than six semester units (per unit)-----	\$2 50
Extension fee per unit-----	5 00
Out of state tuition fee (first semester)-----	75 00
(Subsequent semesters)-----	37 50
Delayed transcript fee-----	1 00
Late registration fee-----	1 00
Diploma fee at graduation-----	2 50
State credential fee-----	3 00
Appointment Service fee (for five sets of recommendations)-----	1 00
(Additional sets, each)-----	0 20
Additional transcripts, each-----	1 00
College Aptitude Test-----	0 25
If not taken at scheduled time-----	1 00
Fundamentals Test-----	0 25
If not taken at scheduled time-----	1 00
Special Examinations—Mid-term-----	0 50
Final-----	1 00

Course Fees

A Cappella Choir-----	0 75
Applied Design-----	1 00
Art Appreciation-----	1 00
Art Structure-----	1 50
Art 15-----	2 25
Band fee, per semester-----	0 50
Botany 1A-1B fee, per semester-----	0 75
Botany 110A-B fee, per semester-----	0 75
Chemistry 1A-1B fee, per semester-----	5 00
(\$2.50 for breakage, returnable.)	
Chemistry 9-----	5 00
Child Care and Training-----	0 50
Clothing Construction-----	1 00
Costume and Personality-----	0 75
Design-----	1 25
Dramatics-----	0 75
Elementary Crafts-----	1 75
Food Selection and Adv. Hostess Training-----	2 50
General Psychology-----	0 50
Geology-----	0 50
Glee Club-----	0 75

Graphic Expression	\$1 25
Home Planning and Furnishing.....	0 75
Hostess Training and Food Selection.....	2 00
Household Administration	0 50
Lettering and Design 105A.....	2 25
Lettering and Design 105B.....	1 25
Machine Calculation	0 25
Orchestra	0 75
Photography	2 00
Physics fee per semester.....	2 50
Physiology	1 00
Piano lessons, per month.....	5 00
Pottery fee, per unit.....	1 00
Practicum in Art.....	1 25
Violin lessons, each.....	1 25
Voice lessons, each.....	1 50
Zoology 1A-1B fee, per semester.....	1 00
Zoology 113	1 00

Summer Session

Summer Session registration fee (five weeks).....	20 00
Registration fee for terms of $2\frac{1}{2}$ weeks.....	15 00
One-week Conference	5 00
Late registration fee.....	1 00
Summer Session lecture and recreation fund.....	0 50
Health and Physical Education fee.....	0 50

Refunds

State Fees

Regulations formulated by the state.

“Fees shall only be returnable when the student has been refused admission to classes after registration or when through unavoidable circumstances, the student is unable to commence college work. In the latter case the student desiring return of a fee shall make application in writing giving his or her reasons for withdrawal. The return of any fee must be recommended by the College President or his designated representative and only after consideration of the individual case upon its merits.

“Before returning fees, each state college shall submit a list of these fees recommended to be returnable to students, together with a brief explanation, to the Director of Education

for his authorization and the approval of the Director of Finance."

Application for refund of state fees must be made at the time of withdrawal.

Student Body Fees

These fees are not refunded if a student has participated in any student body activity.

Course Fees

As course fees are not collected until the end of the sixth week, when the student has completed all of his possible changes in registration, there will be no refund of such fees.

STUDENT SELF HELP

Opportunities for part-time employment are often available for needy and deserving students. The College employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. Application for employment should be made to the Financial Secretary before registration.

STUDENT LOAN FUND

General Student Loan Fund

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Men's Adviser, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration.

The Rotary Club of Arcata has a loan fund available for worthy students upon recommendation of President Gist.

It is advisable for each student to have some funds when he enters college. Unless he has funds for his fees and books or can take up a loan for such expenses early in the semester, he is seriously handicapped financially.

BOOKSTORE

For the convenience of the students, a bookstore is maintained, where college textbooks and supplies may be secured at cost. This bookstore is under the management of the Student Body.

CAMPUS LIFE

HISTORICAL NOTE

The Humboldt State Normal School was created by an Act of the 1913 session of the Legislature of California. Actual work began on April 6, 1914. Under an agreement between the Arcata City Board of Education and the normal school authorities the first sessions were held in the Arcata Grammar School.

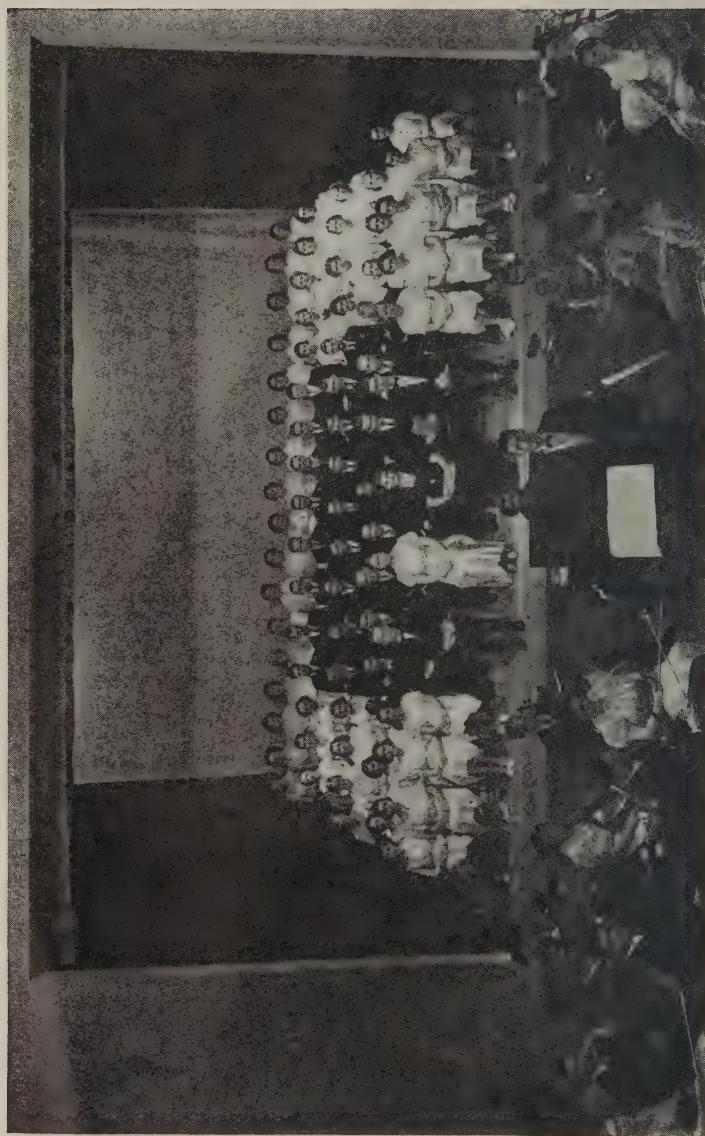
A magnificent site of fifty-one acres was donated to the school by W. A. Preston and the Union Water Company. The officers of the latter were N. H. Falk, Len Yocum, Mrs. Arthur Way, and Mrs. Kate Harpst. The 1917 Legislature appropriated \$245,000 for permanent buildings which have been occupied since February, 1922. In 1930 a new gymnasium was added and recently four new modern tennis courts and a new College Elementary School have been built.

The professional course in teacher training was originally two years in length. Gradually it has been extended and combined with liberal arts and cultural subjects until the minimum time to be spent for any teacher's diploma granted at present is four years.

Control of the institution was first vested in a board of local trustees appointed by the Governor. In 1921 it was transferred to the State Department of Education and placed in the hands of the Director of Education and the State Board of Education. The same Legislature changed all of the California Normal Schools to Teachers Colleges. The State Board of Education received the power to authorize them to give four-year courses leading to the Bachelor of Arts degree.

In 1935 the Legislature changed the name to Humboldt State College with authorization to grant the Bachelor of Arts Degree in Letters and Science.

The enrollment has shown a substantial increase, the present enrollment being over 500.



COLLEGE PERFORMANCE OF "THE MESSIAH"

LOCATION

The College is located in the city of Arcata on the north shore of Humboldt Bay. It occupies a dominating position on the top of a hill within twelve blocks of the Plaza, the center of the city. Backed by still higher forested hills, it commands an almost unrestricted view in three directions. Toward the north, and to the ocean, one looks across the Arcata bottom lands, a rich dairying district, bordered with partly wooded sand dunes. To the west and south, the city of Arcata lies in the foreground, with a stretch of farming land and marsh-land beyond. Beautiful Humboldt Bay comes next in line of vision, separated by a narrow peninsula from the ocean. The city of Samoa on the farther end of the peninsula and Eureka on the opposite side of the bay are in plain sight. The wooded hills beyond are dominated by the high point of Wild Cat Ridge, a rough mountain range separating the valley of the Eel River from the ocean. There is a never-ending variety to this view in the rapidly changing atmospheric conditions. At night-time, with the lights of Arcata in the foreground and those of Samoa and Eureka twinkling in the distance, the picture is especially entrancing.

The cities of Arcata and Eureka are delightful places of residence. Arcata has a population of approximately three thousand and possesses several thriving churches, excellent schools, a free library, a natural park, and a very attractive plaza, a first-class hotel, a fine theater, well-furnished stores—in fact, all that goes to make up a modern up-to-date city. Cape Mendocino, a few miles south of Eureka, is the westernmost point of the mainland of California, and Humboldt has the distinction of being the farthest-west college in the United States.

CAMPUS

There is an extensive lawn, planted with shrubs and small trees, along the whole front of the administration building. Directly across the street from the administration building are four new modern tennis courts for the use of students and faculty. In the rear is an athletic field adjoining the new \$70,000 gymnasium. Back of that, the College owns a considerable piece of second-growth redwood forest, which is being developed by means of trails and clearings into an attractive recreation area.

The Library

The library is located in a suite of rooms on the south side of the inner court. The book collections are arranged on open shelves around the walls of this room and at present contain more than fifteen thousand volumes. The collection is well distributed among the various classes of books, with provision for a liberal amount of cultural reading.

To supplement its own collection, the library has an arrangement with the California State Library by which books are borrowed from that institution. The library at present has in its magazine collection about one hundred and fifty titles, about half of which are scientific or technical and the others of a general nature.

The College Elementary School

Student teaching is conducted in the college elementary school on the campus and also in the city schools through the cooperation of the Arcata and Eureka school authorities.

The new College Elementary School building houses a kindergarten and an elementary school. It is a commodious building of steel and concrete. In its construction no pains have been spared to make it sanitary, fireproof, and in every possible way an ideal building for a completely graded training school from the kindergarten through the eighth grade. Adjoining the building are large play fields with playground equipment.

RECREATION

The constantly shifting hills of sand which form dunes along the ocean shore extend from North Jetty of the harbor entrance of Humboldt Bay to the mouth of Little River. North of Little River the coastline becomes very rugged and the numerous caves, points, and reefs invite personal exploration. The lighthouse at Trinidad Head and the Blowhole, three miles south of Trinidad, are always interesting places to visit.

An hour's drive northward along the Redwood Highway brings the student to Big Lagoon, a salt-water lake. This lagoon, protected from the strong breakers, forms a safe swimming and boating resort.

A pool on Mad River, a few minutes drive from the campus, is very popular on warm afternoons. Swimming can also be enjoyed at many pools along the Eel River south of Eureka.

Near Arcata are several public and private golf courses where special inducements are made to students.

North Dyerville Flat includes within its borders the tallest tree within the United States. This giant redwood towers some 364 feet above the ground. There are other groves of redwoods along the river which are delightful spots for outings.

STUDENT LIFE

Student Body Government

When a student enters the College, the authorities take it for granted that he has an earnest purpose, studious habits, and is willing to observe a proper standard of personal conduct.

In order to further such aims and to promote wholesome activities, the students are organized into a self-governing body called the Student Service Association.

Through the vested authority of self-government with its attendant responsibility, the students of the College are enabled to gain the practical appreciation of governmental authority as vested in the people, and also the civic understanding which can not help but make them better citizens and community leaders after they leave college to take their place in life. The faculty retains the authority and oversight over certain matters such as Student Body finances and external relations necessitated by sound administrative jurisdiction and general responsibility as provided by law and the best interests of the students.

Board of Control of Student Body

The Board of Control is the student government agency consisting of five members elected every semester by the Student Body, and charged with the responsibility of maintaining high standards of conduct in the College.

Executive Committee of Student Body

The Executive Committee consists of the President, Vice-President, Secretary, Treasurer, and Publicity Manager of the Student Body, the members of the Board of Control, and the President of the College or a faculty sponsor appointed by the President. The duties of this committee are to have charge of school elections, to adjust budgets, to pass on all bills and to see that they are paid, to authorize purchases, to take an inventory of all Student Body property at the end of the school year, to set the amount of dues, and to look after all Student Body affairs not specifically covered by the Constitution and By-laws.

To assist in developing good habits and thus inculcating the spirit of self-control and self-initiative, the students under the sponsorship of the faculty have established several honor and recreational organizations. Most of these organizations are coordinated through the Student Service Association. Following is a list of such organizations:

Alpha Psi Omega (National Dramatics Fraternity)—Sponsor, Mr. Little

Chi Sigma Epsilon (The Scholastic Honor Society)—Sponsor, Miss Johnson

Dramatic Workshop—Sponsor, Mr. Little

Humboldt Science Club—Sponsor, Dr. Lanphere

Kindergarten-Primary Club—Sponsor, Miss Bestor

Lambda Theta Chi (Men's Social Fraternity)—Sponsor, Mr. Little

Men's Association—Sponsor, Mr. Hart

Musical Organizations—Sponsor, Mr. Kinsman

Pi Alpha Pi (for Social Science Majors)—Sponsor, Vice-President Balabanis.

Rousers (Sophomore Honor Society)—Sponsor, Miss Johnson

Student Service Association—Sponsor, Vice-President Balabanis.

Student Teachers' Club—Sponsors, College Elementary School Staff

Women's Athletic Association—Sponsor, Miss Craig

Y. M. C. A. and Y. W. C. A.—Sponsor, —————

ATHLETICS

Believing that certain mixed activities promote desirable social relationships between men and women, the College has developed a program of mixed intramural sports in volley-ball, tennis, archery, badminton, and golf.

All students participating in athletics are required to pass a satisfactory health examination each season.

Men's Athletics

Men students play a regular schedule of games in football, basketball, tennis, and baseball with colleges and other organizations in California and Oregon. Such intercollegiate competition supplements intramural and interclass competition in which practically all the men students take part.

COUNSELING AGENCIES

The College has a definite program of counseling and guidance for entering freshmen. Special counseling will be given individually to the freshmen at the time of registration and periodically during the year by the President and faculty advisers.

Sponsors from upper classmen are assigned to assist new students in becoming acquainted with members of the Student Body and various details of college life.

A faculty member is appointed as adviser for the class.

SOCIAL LIFE

The social life of the College is sponsored by the different student body organizations and by the faculty.

A small college offers to each student many opportunities for friendships and social activities. Among these are monthly, and occasional noon-hour, dances. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. Informal functions are frequently held for and by the students who reside in Sunset Hall.

In the spring the members of Chi Sigma Epsilon sponsor a tea honoring all students of the College who have made outstanding scholastic records during the preceding semester.

Seniors are entertained in the spring at a tea given by President and Mrs. Gist. Women members of the graduating class are entertained by the Faculty Women's Club during the last month of school.

In order that the students may early in their college careers become better acquainted with President and Mrs. Gist and with each other, every freshman is entertained sometime during the year by President and Mrs. Gist. These functions are generally held in the President's home.

STUDENT HONORS

Honors are awarded to students whose scholarship is exceptional. Honors are awarded by students, by faculty, by individuals, and by civic organizations.

Honors Awarded by Faculty

Graduation Honors are awarded to students at Commencement upon the vote of the faculty. These honors are based on the scholastic index as follows:

- Index 2.00—With Honor
Index 2.35—With High Honor
Index 2.75—With Highest Honor

The President's Cup

To stimulate student teaching and as a recognition of meritorious service, the President's Cup has been provided. The student doing the highest type of teaching in the College Elementary School each semester has his name engraved upon this cup.

The details of awarding this honor are administered by the faculty of the College Elementary School.

English Award

President and Mrs. Gist have provided an annual award of \$10 to be given to the student who shows special ability in the field of written expression. The details of selecting the student for the award are in the hands of the English Department.

Faculty Women's Gift Award

Each year, the Faculty Women's Club of the college makes an award to one or more of the graduating senior women, presentation being made shortly before commencement. The selection is based on considerations of scholarship, character, and the extent to which the student is self-supporting during her college courses. The amount, as well as the number of such gifts, will be determined by the funds available and the number of women considered worthy of such recognition.

Honors Awarded by Students

Chi Sigma Epsilon

Chi Sigma Epsilon, the upper division honor society, elects members twice during each college year. Members are selected on the basis of high scholastic attainments, qualities of leadership, and high ideals of character. Chi Sigma Epsilon Pledging Day honors the students elected to membership.

Rousers

A lower division honor society composed of eight members is selected each spring from the freshman class by active members of Chi Sigma Epsilon. High scholarship, fine qualities

of character, responsibilities assumed, and ability to adjust themselves to college life are the criteria used in the selection of members.

Chi Sigma Epsilon Medal

The Chi Sigma Epsilon medal is awarded each spring to the freshman student who, in the opinion of the active members of the Chi Sigma Epsilon, is outstanding in the group selected as Rousers.

Chi Sigma Epsilon Scholarship

This scholarship, which covers general student fees for the freshman year, is donated by Chi Sigma Epsilon. It is awarded to a high school graduate of either Humboldt County or Del Norte County, on the basis of scholarship, character, and participation in student activities.

Class and Semester Honors

Semester Honors will be awarded to all regular students carrying a load of twelve or more semester units who receive "A" and "B" grades in all subjects of one or more credit units taken during the semester and who have satisfactorily completed other requirements.

Class Honors are awarded to students who received semester honors during the year.

Honors Awarded by Civic Organizations

Prize Awarded by Kiwanis Club

A prize of \$10 is awarded by the Kiwanis Club of Arcata to the Arcata High School graduate who has made the highest scholastic average during the freshman year at the Humboldt State College.

Music Scholarships

The Humboldt County Federation of Women's Clubs has donated to the College scholarships in applied music. These scholarships entitle the holder to a year's study in applied music.

South Fork P. T. A. Scholarship

Awarded to an outstanding graduate of that high school.

COMMUNITY RELATIONS

PLACEMENT SERVICE

A Placement Bureau is maintained to perform a double service: to help Humboldt graduates, both those newly graduating and those teaching in the field, obtain the best positions for which they are prepared; and to recommend to school officials our best candidates when requests are received to fill teaching positions. The bureau collects data touching on the general moral character and sense of responsibility of the student, his success in his college classes and in student teaching, his college citizenship and leadership in student body activities.

Students desiring positions as teachers will find it to their advantage to work through the Placement Bureau. Such students should register with the Placement Bureau early in their senior year.

COMMUNITY SERVICE

Since the College is a state institution its facilities when not being specifically used for college purposes are open for the use of the citizens of the state. It will particularly welcome conventions, conferences, or assemblies of an educational or cultural nature. The auditorium will seat four hundred.

Extension Courses

Extension courses will be conducted at the College evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI

The Alumni Association has among its aims the assistance of the College in its administrative problems and the guidance and the counsel of recent graduates.

The following are the officers for the current year: President, Ethel Pedrazzini; vice-president, Ugo Quintini; secretary, Janet Stewart; treasurer, Hugh B. Stewart.

CURRICULA

THE A.B. DEGREE WITH MAJOR IN GENERAL ELEMENTARY EDUCATION

The regular four-year elementary teachers degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College, requires for graduation 124 semester units. This course will be required of all candidates for an elementary teaching credential. Those taking this credential will receive preference in recommendations for all grades of the elementary school and for village and rural positions.

Subject Requirements—Lower Division

ART

	Units
Art Structure -----	2
	2

ENGLISH AND LITERATURE

†English 1A -----	3
English 1B -----	3
	6

FUNDAMENTALS *

Arithmetic Reasoning and Comprehension -----	0
History and Civics -----	0
Language Usage -----	0
Spelling A -----	0

INDUSTRIAL EDUCATION

Fundamentals of Industrial Education -----	3
	3

MATHEMATICS

†Mathematics of the Elementary School -----	2
	2

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

† May be waived by examination.

MUSIC

	Units
†Musicianship -----	3
	3

PHYSICAL EDUCATION

Hygiene -----	2
Activities for Adults, one-half unit each semester -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

†Physics 10 or Geology 1A -----	3
†Botany 4 or Zoology 4 -----	3
Botany 1A-1B; Zoology 1A-1B; or Zoology 1A-Physiology 1 -----	8-9
	14-15

SOCIAL SCIENCE

History 4A and 4B -----	6
†Cultural and Regional Geography -----	2
Economics 1A -----	3
Economics 1B -----	3
	14

SPEECH

Public Speaking 1A -----	3
	3

Subject Requirements—Upper Division

ART

Practicum in Art -----	2
	2

EDUCATION

Growth and Development of Child -----	3
Curriculum Activities -----	3
Educational Psychology -----	3
Introduction to Education -----	3
Philosophy of Education -----	3
Rural Education -----	2
Teaching I -----	2
Teaching II -----	8
	27

† May be waived by examination.

MUSIC

	Units
Practicum in Music-----	2

PHYSICAL EDUCATION

Activities for Adults, one-half unit each semester-----	1
Singing Games and Folk Dances-----	$\frac{1}{2}$
Practicum in Physical Education-----	$1\frac{1}{2}$

 3
SOCIAL SCIENCE

American Government -----	2
---------------------------	---

 2
MINORS

The candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	Mathematics
Commercial Education	Music
Economics	Physical Education
English	Social Science
History	Speech
Home Economics	

A minor consists of twelve semester units, at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

At least 40 semester units credit must be taken in upper division courses.

RECOMMENDED SEQUENCE

(General Elementary Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
Biological Science -----	4	Biological Science -----	4
History 4A -----	3	History 4B -----	3
Hygiene -----	2	Musicianship -----	3
Elective -----	3	Elective -----	3
Physical Activities -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$		

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physics 10 or Geol. 1A-----	3	Botany 4 or Zool. 4-----	3
Economics 1A -----	3	Economics 1B -----	3
Elective or English 1B-----	3	General Psychology -----	3
Art Structure -----	2	Public Speaking 1A-----	3
Elective or Minor-----	3	Elective or Minor-----	3
Elective -----	2	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Educational Psychology ----	3	Growth and Devel. Child----	3
Intro. to Education-----	3	Curriculum Activities -----	3
Industrial Education -----	3	Teaching I -----	2
Mathematics 20-----	2	Practicum in Art -----	2
Geography 2 -----	2	Practicum in Music -----	2
Minor -----	3	Practicum in Physical	
Singing Games and Folk		Education -----	1 $\frac{1}{2}$
Dances -----	$\frac{1}{2}$	Minor -----	3

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Teaching II -----	8	Philosophy of Education-----	3
Minor -----	3	Rural Education -----	2
Elective -----	3	American Government -----	2
Physical Education -----	$\frac{1}{2}$	Minor -----	3
		Electives -----	4
		Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL JUNIOR HIGH SCHOOL

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College for the General Junior High School Credential requires for graduation the following courses. This credential authorizes the student to teach any or all subjects in the seventh, eighth, and ninth grades of any elementary or secondary school in the state.

Subject Requirements—Lower Division

ART

	Units
Art Structure	2
	2

ENGLISH AND LITERATURE

†English 1A	3
English 1B	3
	6

FUNDAMENTALS *

Arithmetic Reasoning and Comprehension	0
History and Civics	0
Language Usage	0
Spelling A	0

INDUSTRIAL EDUCATION

Fundamentals of Industrial Education	3
	3

MATHEMATICS

†Mathematics of the Elementary School	2
	2

MUSIC

†Musicianship	3
	3

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

† May be waived by examination.

PHYSICAL EDUCATION

	Units
Hygiene -----	2
Activities for Adults, one-half unit each semester -----	2

4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Chem. 1A, or Physics 2A-2B, or *Physics 10, or Geol. 1A -----	-
*Botany 4 or Zoology 4 -----	3
A year course chosen from the following:	
Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and Physiol. 1 -----	8-9

14

SOCIAL SCIENCE

History 4A and 4B -----	6
*Cultural and Regional Geography -----	2
Economics 1A -----	3
Economics 1B -----	3

14

SPEECH

Public Speaking 1A -----	3
	3

Subject Requirements—Upper Division

ART

Practicum in Art -----	2
	2

EDUCATION

Curriculum Activities—Upper Grades -----	2
Educational Psychology -----	3
Introduction to Education -----	3
Philosophy of Education -----	3
Principles of Junior High School Education -----	2
Teaching I -----	2
Teaching II -----	8
	23

MUSIC

Practicum in Music -----	2
	2

* May be waived by examination.

PHYSICAL EDUCATION

	Units
Activities for Adults, one-half unit each semester-----	1
Singing Games and Folk Dances -----	$\frac{1}{2}$
Practicum in Physical Education-----	$1\frac{1}{2}$
	3

SOCIAL SCIENCE

American Government -----	2
	2

MAJOR

The candidate must complete a major selected from the fields of Biological Science, English, Physical Education, or Social Science.

A major consists of twenty-four semester units, at least twelve of which must be in upper division courses.

MINOR

The candidate must complete a minor selected from one of the following fields:

Art	Industrial Education
Biological Science	Mathematics
Commercial Education	Music
Economics	Physical Education
English	Social Science
History	Speech
Home Economics	

A minor consists of twelve semester units, at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

At least 40 semester units credit must be taken in upper division courses.

RECOMMENDED SEQUENCE

(General Junior High School Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
Biological Science -----	4	Biological Science -----	4
History 4A -----	3	History 4B -----	3
Hygiene -----	2	Musicianship -----	3
Elective -----	3	Elective -----	3
Physical Activities -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$		

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physical Science -----	3	Botany 4 or Zoology 4-----	3
Economics 1A -----	3	Economics 1B -----	3
Art Structure -----	2	General Psychology -----	3
Elective or English 1B-----	3	Public Speaking 1A-----	3
Elective, Major, or Minor---	3	Elective, Major, or Minor---	3
Elective -----	2	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Educational Psychology-----	3	Growth and Devel. of Child--	3
Intro. to Education-----	3	Curriculum Activities-----	2
Geography 2 -----	2	Teaching I -----	2
Mathematics 20 -----	2	Practicum in Art -----	2
Industrial Education-----	3	Practicum in Music -----	2
Singing Games and Folk		Practicum in Phys. Educ. --	1 $\frac{1}{2}$
Dances -----	$\frac{1}{2}$		

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Teaching II -----	8	Philosophy of Education-----	3
Minor -----	3	Prin. Jr. H. S. Educ.-----	2
Physical Education -----	$\frac{1}{2}$	American Government -----	2
		Minor -----	3
		Elective -----	3
		Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL JUNIOR HIGH SCHOOL AND GENERAL ELEMENTARY EDUCATION

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College for the General Junior High School and General Elementary Credential requires for graduation the following courses. This credential authorizes the student to teach in both the elementary grades and the junior high school.

The student will note that this combination credential requires the completion of 12 units additional.

Subject Requirements—Lower Division

ART

	Units
Art Structure	2
	2

ENGLISH AND LITERATURE

†English 1A	3
English 1B	3
	6

FUNDAMENTALS *

Arithmetic Reasoning and Comprehension	0
History and Civics	0
Language Usage	0
Spelling A	0

INDUSTRIAL EDUCATION

Fundamentals of Industrial Education	3
	3

MATHEMATICS

†Mathematics of the Elementary School	2
	2

MUSIC

†Musicianship	3
	3

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

† May be waived by examination.

PHYSICAL EDUCATION

	Units
Hygiene -----	2
Activities for Adults, one-half unit each semester -----	2

4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Chem. 1A, or Physics 2A-2B, or * Physics 10, or Geol. 1A -----	-
* Botany 4 or Zoology 4 -----	3
A year course chosen from the following:	
Bot. 1A-1B; Zool. 1A-1B; Zool. 1A and Physiol. 1 -----	8-9

14

SOCIAL SCIENCE

History 4A and 4B -----	6
* Cultural and Regional Geography -----	2
Economics 1A -----	3
Economics 1B -----	3

14

SPEECH

Public Speaking 1A -----	3
	3

Subject Requirements—Upper Division

Practicum in Art -----	2
	2

EDUCATION

Growth and Development of Child -----	3
Curriculum Activities -----	3
Educational Psychology -----	3
Introduction to Education -----	3
Philosophy of Education -----	3
Principles of Junior High School Education -----	2
Rural Education -----	2
Teaching I -----	2
Teaching II -----	8

29

MUSIC

Practicum in Music -----	2
	2

* May be waived by examination.

PHYSICAL EDUCATION

	Units
Activities for Adults, one-half unit each semester-----	1
Singing Games and Folk Dances-----	$\frac{1}{2}$
Practicum in Physical Education-----	$1\frac{1}{2}$

 3
SOCIAL SCIENCE

American Government -----	2
	2

MAJOR

The candidate must complete a major selected from the fields of Biological Science, English, Physical Education, or Social Science.

A major consists of twenty-four semester units, at least twelve of which must be in upper division courses.

MINOR

The candidate must complete a minor selected from one of the following fields:

Art	Industrial Education
Biological Science	Mathematics
Commercial Education	Music
Economics	Physical Education
English	Social Science
History	Speech
Home Economics	

A minor consists of twelve semester units, at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

At least 40 semester units must be taken in upper division courses:

RECOMMENDED SEQUENCE

(General Junior High School and General Elementary Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
Biological Science -----	4	Biological Science -----	4
History 4A -----	3	History 4B -----	3
Hygiene -----	2	Musicianship -----	3
Elective -----	3	Elective -----	3
Physical Activities -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$		

SUMMER SESSION

Industrial Education -----	3	Elective or Minor -----	3
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SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physical Science -----	3	Botany 4 or Zoology 4-----	3
Economics 1A -----	3	Economics 1B -----	3
Elective or English 1B-----	3	General Psychology -----	3
Art Structure -----	2	Public Speaking 1A-----	3
Elective, Major, or Minor---	3	Elective, Major, or Minor---	3
Elective -----	2	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Educational Psychology ---	3	Growth and Devel. Child----	3
Intro. to Education-----	3	Curriculum Activities -----	3
Elective -----	3	Teaching I -----	2
Geography 2 -----	2	Practicum in Art -----	2
Mathematics 20 -----	2	Practicum in Music -----	2
Singing Games and Folk		Practicum in Phys. Educ. --	1 $\frac{1}{2}$
Dances -----	$\frac{1}{2}$		

SUMMER SESSION

(May be taken at end of Sophomore year)

Electives -----	4	Prin. Jr. H. S. Educ.-----	2
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SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Major -----	3	Major -----	3
Teaching II -----	8	American Government -----	2
Minor -----	3	Philosophy of Education----	3
Physical Education -----	$\frac{1}{2}$	Rural Education -----	2
		Minor -----	3
		Elective -----	3
		Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN GENERAL ELEMENTARY AND KINDERGARTEN-PRIMARY EDUCATION

The regular four-year degree course prescribed in accordance with law, with the regulations of the State Board of Education, and the regulations of the faculty of the College, for the General Elementary and Kindergarten-Primary Credentials, requires for graduation the following courses:

Subject Requirements—Lower Division

ART

	Units
Art Structure -----	2

	2

ENGLISH AND LITERATURE

†English 1A -----	3
English 1B -----	3

	6

FUNDAMENTALS *

Arithmetic Reasoning and Comprehension -----	0
History and Civics -----	0
Language Usage -----	0
Spelling A -----	0

INDUSTRIAL EDUCATION

Fundamentals of Industrial Education -----	3

	3

MATHEMATICS

†Mathematics of the Elementary School -----	2

	2

MUSIC

†Musicianship -----	3

	3

PHYSICAL EDUCATION

Hygiene -----	2
Activities for Adults, one-half unit each semester -----	2

	4

* The "fundamentals" requirements may be satisfied either by passing preliminary examinations or by passing courses in these subjects.

† May be waived by examination.

PSYCHOLOGY

	Units
General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

†Physics 10 or Geology 1A -----	3
†Botany 4 or Zoology 4 -----	3
Botany 1A-1B; Zoology 1A-1B; or Zoology 1A-Physiology 1 -----	8-9
	14-15

SOCIAL SCIENCE

History 4A and 4 B -----	6
†Cultural and Regional Geography -----	2
Economics 1A -----	3
Economics 1B -----	3
	14

SPEECH

Public Speaking 1A -----	3
	3

Subject Requirements—Upper Division

ART

Art in the Primary Grades -----	2
Practicum in Art -----	2
	4

EDUCATION

Growth and Development of the Child -----	3
Children's Literature for the Primary Grades -----	2
Curriculum Activities -----	3
Educational Psychology -----	3
Introduction to Education -----	3
Kindergarten Curriculum -----	3
Philosophy of Education -----	3
Rural Education -----	2
Teaching I -----	2
Teaching II -----	14
	38

† May be waived by examination.

MUSIC

	Units
Music in the Primary Grades-----	2
Practicum in Music -----	2
	4

PHYSICAL EDUCATION

Activities for Adults, one-half unit each semester-----	1
Singing Games and Folk Dances-----	$\frac{1}{2}$
Practicum in Physical Education-----	$1\frac{1}{2}$
	3

SOCIAL SCIENCE

American Government -----	2
	2

MINORS

The candidate must complete a minor in each of two fields to be selected from the following:

Art	Industrial Education
Biological Science	Music
Economics	Physical Education
English	Social Science
History	Speech
Home Economics	

Recommended minors: English, Science, Music, Art.

A minor consists of twelve semester units, at least six of which must be in upper division courses.

Note

Minimum residence requirement is 24 semester units.

At least 40 semester units must be taken in upper division courses.

RECOMMENDED SEQUENCE

(General Elementary and Kindergarten-Primary Education)

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A -----	3
History 4A -----	3	History 4B -----	3
Biological Science -----	4	Biological Science -----	4
Hygiene -----	2	Musicianship -----	3
Elective -----	3	Elective -----	3
Physical Activities -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$		

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physics 10 or Geology 1A----	3	Botany 4 or Zoology 4-----	3
Economics 1A -----	3	Economics 1B -----	3
Art Structure -----	2	General Psychology -----	3
Elective or Minor-----	3	Public Speaking 1A-----	3
Elective or English 1B-----	3	Elective or Minor -----	3
Elective -----	2	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	*Music Examination	

*SUMMER SESSION (Elsewhere) Units

Art in the Primary Grades-----	2
Music in the Primary Grades-----	2
Children's Literature for the Primary Grades-----	2

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Educational Psychology ----	3	Growth and Devel. of Child--	3
Introduction to Education---	3	Curriculum Activities -----	3
Industrial Education -----	3	Teaching I -----	2
Geography 2 -----	2	Practicum in Art -----	2
Mathematics 20 -----	2	Practicum in Music -----	2
Kindergarten Curriculum ---	3	Practicum in Phys. Educ. ---	1 $\frac{1}{2}$
Singing Games and Folk		Elective or Minor -----	3
Dances -----	$\frac{1}{2}$		

SUMMER SESSION

	Units
Electives or Minors -----	6

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Teaching II -----	8	Teaching II -----	6
Minor -----	3	Philosophy of Education----	3
Elective -----	3	American Government -----	2
Physical Education -----	$\frac{1}{2}$	Rural Education -----	2
		Elective -----	3
		Physical Education -----	$\frac{1}{2}$

* Consult adviser.

THE A.B. DEGREE WITH MAJORS IN PHYSICAL EDUCATION AND GENERAL ELEMENTARY EDUCATION

This combination course gives both the Special Credential in Physical Education and the General Elementary Credential.

(Biological Science Minor)

RECOMMENDED SEQUENCE

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A -----	3 or 0	English 1B or 1A -----	3
Biological Science -----	4	Physiology -----	5
History 4A -----	3	History 4B -----	3
French or Elective -----	3	Public Speaking 1A -----	3
Art Structure -----	2	Hygiene -----	2
Physical Activities -----	$\frac{1}{2}$	Begin. Nat. Dance -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physics 10 or Geology 1A ---	3	Botany 4 or Zoology 4 ---	3
Economics 1A -----	3	Economics 1B -----	3
Mathematics 20 -----	2	General Psychology -----	3
Industrial Education or		Geography 2 -----	2
English 1B -----	3	Theory Athletics B -----	2
Musicianship -----	3	Elective -----	2
Theory of Rhythms		Physical Education -----	$\frac{1}{2}$
(Women) -----	1	Physical Education -----	$\frac{1}{2}$
Begin. Clogging -----	$\frac{1}{2}$		
Physical Education -----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Community Recreation -----	2	Growth and Devel. Child ---	3
Principles of Physical Edu-		Curriculum Activities -----	3
cation -----	3	Biological Science Minor ---	3
Educational Psychology -----	3	Teaching I -----	2
Introduction to Education ---	3	Practicum in Art -----	2
Biological Science Minor ---	3	Practicum in Music -----	2
Theory Athletics A -----	2	Practicum in Phys. Educ. ---	$1\frac{1}{2}$
Singing Games and Folk			
Dances -----	$\frac{1}{2}$		

SUMMER SESSION

	Units		Units
Elective or Industrial Education -----	2	Electives -----	4

SENIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Teaching II—Elementary----	6	Stud. Teach. Phys. Educ.----	2
Corrective Phys. Ed. and Kinesiology -----	4	American Government -----	2
Stud. Teach. Phys. Educ.— Elem. -----	2	Philosophy of Education----	3
Rural Education -----	2	Conference on Secondary Physical Education -----	2
Physical Education -----	$\frac{1}{2}$	Electives -----	6
		Physical Education -----	$\frac{1}{2}$
		Physical Education -----	$\frac{1}{2}$

THE A.B. DEGREE WITH MAJOR IN PHYSICAL EDUCATION AND THE SPECIAL CREDENTIAL IN PHYSICAL EDUCATION

Recommended Sequence

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A or A-----	3 or 0	English 1B or 1A-----	3
Biological Science -----	4	Physiology -----	5
History 4A -----	3	History 4B -----	3
French or Elective-----	3	Public Speaking 1A-----	3
Hygiene -----	2	Art Structure -----	2
Physical Activities -----	$\frac{1}{2}$	Begin. Nat. Danc. -----	$\frac{1}{2}$
Orientation -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Physical Science -----	3	Science -----	3
Economics 1A -----	3	Economics 1B -----	3
Elective or English 1B-----	3	General Psychology -----	3
Musicianship -----	3	Geography 2 -----	2
Minor -----	3	Minor -----	3
Theory of Rhythms (Women)	1	Physical Education -----	$\frac{1}{2}$
Begin. Clogging -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$		

JUNIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Prin. of Phys. Educ.-----	3	Vertebrate Zoology -----	3
Educational Psychology ----	3	Introduction to Education--	3
Theory Athletics A-----	2	Theory Athletics B-----	2
Community Recreation ----	2	Minor -----	3
Minor -----	3	Minor or Elective-----	3
Minor or Elective-----	3	Practicum in Phys. Educ.---	$1\frac{1}{2}$
Sing. Games and Folk		Physical Education -----	$\frac{1}{2}$
Dances -----	$\frac{1}{2}$		

SENIOR YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Corrective Phys. Educ. and		Stud. Teaching Phys. Educ. 4	
Kinesiology -----	4	Philosophy of Education----	3
Stud. Teach. Phys. Educ.---		Growth and Devel. Child----	3
Elem. -----	2	Conference on Second.	
American Government ----	2	Phys. Ed. -----	2
Electives -----	6	Electives -----	3
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

BACHELOR OF EDUCATION DEGREE

This degree is designed for successful teachers who would find difficulty in meeting all the regulations for the A.B. degree but who wish to have a modern professional bachelor's degree. This degree carries with it no credential and does not provide the basic preparation for a master's degree.

The following classes of teachers are eligible for candidacy for the Bachelor of Education degree:

1. Graduates of the two-year, two-and-a-half year, or three-year curricula of the California state colleges when these institutions were normal schools or teachers colleges, who have had five or more years of successful teaching experience.

NOTE.—Graduates of the three-year curricula are advised to work toward the Bachelor of Arts degree, but in case such graduates elect to take the Bachelor of Education degree, the requirements may be satisfied by completing at least eighteen semester hours of college work in addition to equivalent credit that may be allowed for other experiences or activities.

2. Holders of California life diplomas or those who have taught five or more years in the public schools of California.

Required Program

The degree will be granted upon the successful completion of 124 semester hours of college or university work or the equivalent. Of this total requirement at least 106 semester hours of work shall be completed in regular campus classes, extension classes, or in correspondence courses under college or university direction; and not to exceed eighteen semester hours of credit may be allowed for experiences and activities that can be evaluated as equivalent to regular academic work.

Equated semester hours not exceeding eighteen may be allowed for professional activities involving successful teaching experience, travel study, published writings, specific contributions to the extra-curricular and professional life of the school community, participation in the activities of professional and other organizations, leadership in community recreational life, active participation in the administrative activities of the school system, such as committee work of all kinds, and experimental classroom work utilizing new methods and procedures. Experiences of this type may be evaluated in terms of professional service units, each such unit to be counted as equivalent to a semester hour of credit.

Residence Requirements

1. Twenty-four semester hours of college credit earned in California state colleges will be accepted as satisfying residence requirements, provided that at least half of these must have been earned subsequent to June 1, 1934, in Humboldt State College.

2. Not more than six semester hours of credit may be earned in extension classes. (See note regarding graduates of the three-year curricula.)

Effective Dates

The operation of this curriculum will not extend beyond February 1, 1937. All applications for candidacy must be filed, and at least six semester hours of work completed, before February 1, 1942. All the requirements must be completed and the degree conferred prior to February 1, 1947.

Inventory of Training and Experience

Each teacher who desires to become a candidate for the Bachelor of Education degree shall file with the college an inventory of training and experience. Blanks for this purpose may be secured from the College.

Fields of Study

Each candidate for the Bachelor of Education degree must include in the last sixty semester hours of credit earned a minimum of six semester hours in each of three of the following six fields of knowledge: professional courses; social science; natural science; psychology and philosophy; fine arts and literature; physical education, hygiene, and recreation.

At least twenty-four semester units must be taken in upper division courses.

**REGULATIONS GOVERNING THE GRANTING OF SCHOOL
ADMINISTRATION CREDENTIALS BY THE STATE BOARD
OF EDUCATION****General Requirements**

An applicant for the administration credential must submit:

- A. A certificate from a physician licensed to practice medicine and surgery that the applicant is physically and mentally fit to engage in school service.
- B. Verification of a general teaching credential, certificate, or life diploma.
- C. Verification of two years of thoroughly successful teaching experience.

ELEMENTARY SCHOOL EXECUTIVE

The administration credential for the elementary school executive serving as principal directly under a board of education requires:

- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and recommending for the General Elementary Credential.
- F. Completion of twenty-four semester hours of work beyond all requirements for the General Elementary Credential in courses completed concurrently with or subsequent to teaching experience including the following:

1. Professional Courses:

- a. Required Courses—12 units (fulfilling State regulations):

- (1) Educ. 140 A-B, School Administration and Supervision, including field work—4 units.
- (2) Educ. 139, The Elementary School Curriculum—2 units.
- (3) Educ. 144, State and County School Administration, including some legal phases of education in California—2 units.
- (4) Educ. 115, Educational Tests and Measurements—2 units.
- (5) Educ. 152, Visual Education—2 units.

b. Elective Courses: (To be selected only by students who have already completed some of the above required courses.)

- (1) Educ. 124, Philosophy of Education—2 units.
- (2) Educ. 110, Education Psychology—3 units.
- (3) Educ. 111, Growth and Development—2 units.
- (4) Educ. 120, Counseling and Guidance—2 units.
- (5) Educ. 102, History of American Education—2 units.
- (6) Educ. 152, Educational Sociology—2 units.
- (7) Educ. 180, Seminar in Educational Problems—2 units.

2. Non-Professional Courses:

a. Twelve units from following list:

- (1) Econ. 151, Programs of Economic Security—2 units.
- (2) Econ. 105, Comprehensive Programs of Social Reform—2 units.
- (3) Econ. 184, Population Problems—2 units.
- (4) Econ. 120, Modern Industrialism—2 units.
- (5) Econ. 196, America and World Trade—2 units.
- (6) Hist. 190, New Viewpoints in American History—2 units.
- (7) Hist. 160, World Imperialism—2 units.
- (8) Hist. 187, Social Hist. of the United States since 1876—2 units.
- (9) Hist. 149B, The Near East—2 units.
- (10) Hist. 165A, History of European Expansion 1492-1713—2 units.
- (11) Hist. 165B, History of European Expansion 1713-1850—2 units.
- (12) Phil. 10A, History of Philosophy—2 units.
- (13) P. E. 176, Principles of Community Recreation—2 units.
- (14) Pol. Sci. 111, The Theory of the State—2 units.
- (15) Psych. 1, General Psychology—2 units.

ELEMENTARY SCHOOL PRINCIPAL OR SUPERVISOR

The administration credential for the elementary school principal or supervisor serving under a superintendent of schools requires:

- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and recommending for the General Elementary Credential.
- F. Completion of eighteen semester hours of work beyond all requirements for the General Elementary Credential in courses completed concurrently with or subsequent to teaching experience including the following:

1. Professional Courses:

- a. Required Courses—10 units (fulfilling State regulations):

- (1) Educ. 140 A-B, School Administration and Supervision, including field work—4 units.
- (2) Educ. 139, The Elementary School Curriculum—2 units.
- (3) Educ. 115, Educational Tests and Measurements—2 units
- (4) Educ. 152, Visual Education—2 units.

- b. Elective Courses: (To be selected only by students who have already completed some of the above required courses.)

- (1) Educ. 124, Philosophy of Education—2 units.
- (2) Educ. 110, Educational Psychology—3 units.
- (3) Educ. 111, Growth and Development—2 units.
- (4) Educ. 120, Counseling and Guidance—2 units.
- (5) Educ. 102, History of American Education—2 units.
- (6) Educ. 152, Educational Sociology—2 units.
- (7) Educ. 180, Seminar in Educational Problems—2 units.

2. Non-Professional Courses:

a. Eight units from the following list:

- (1) Econ. 151, Programs of Economic Security—2 units.
- (2) Econ. 105, Comprehensive Programs of Social Reform—2 units.
- (3) Econ. 184, Population Problems—2 units.
- (4) Econ. 120, Modern Industrialism—2 units.
- (5) Econ. 196, America and World Trade—2 units.
- (6) Hist. 190, New Viewpoints in American History—2 units.
- (7) Hist. 160, World Imperialism—2 units.
- (8) Hist. 187, Social Hist. of the United States since 1876—2 units.
- (9) Hist. 149B, The Near East—2 units.
- (10) Hist. 165A, History of European Expansion 1492-1713—2 units.
- (11) Hist. 165B, History of European Expansion 1713-1850—2 units.
- (12) Phil. 10A, History of Philosophy—2 units.
- (13) P. E. 176, Principles of Community Recreation—2 units.
- (14) Pol. Sci. 111, The Theory of the State—2 units.
- (15) Psych. 1, General Psychology—2 units.

N. B.—It will be noted that field work in administration and supervision is now required for both credentials. This field work will be difficult to administer during the year to teachers in the field. If a student finds it impossible to give up his teaching for a semester, the College will attempt to provide the field work in connection with the College Elementary School during the summer session.

REQUIREMENTS FOR A.B. DEGREE IN ALLIED ARTS

Lower Division

* ART

	Units
Art Structure -----	2
Graphic Expression -----	2 or 3
Art Appreciation -----	3
	7 or 8

ENGLISH

English 1A and 1B -----	6
	6

FOREIGN LANGUAGES

Foreign Language (in not more than two languages) -----	15
(Each year of high school work will be counted in satisfaction of three units of this requirement.)	
	15

* HOME ECONOMICS

Clothing Construction -----	3
Costume and Personality -----	2
Food Selection and Adv. Hostess Training -----	3
Hostess Training and Food Selection -----	2
	10

* INDUSTRIAL EDUCATION

Mechanical Drawing -----	2
Metal Arts -----	3
Pottery -----	2
Woodworking -----	3
	10

PHYSICAL EDUCATION

Hygiene -----	2
Activities (one-half unit each semester) -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

* The number of units to be chosen from these fields will be determined in conference with the faculty adviser.

SCIENCE, BIOLOGICAL AND PHYSICAL		Units
Year course in Laboratory Science-----	6 or 8	
Additional Science -----	8 or 6	

14

SOCIAL SCIENCE

History 4A and 4B-----	6	
Additional Social Science -----	8	

14

Upper Division

ALLIED ARTS

A minimum of twelve semester units chosen from the following courses:
 Art 102—Applied Design; Art 105A—Lettering and Design A; Art 105B—Lettering and Design B; Home Econ. 121—Advanced Clothing; Home Econ. 112—Child Care and Training; Home Econ. 122—Household Administration; Home Econ. 130—Home Planning and Furnishing; Ind. Ed. 101—Advanced Woodworking; Ind. Ed. 103—The Art of House Design; Ind. Ed. 105—Advanced Pottery; Ind. Ed. 125—Advanced Cabinet and Wood Construction for Women; Ind. Ed. 126—Advanced Metal Arts; Ind. Ed. 130—Architectural Drafting and Design.

PHYSICAL EDUCATION

Units

Activities (one-half unit each semester)-----	2	
---	---	--

2

SOCIAL SCIENCE

American Government -----	2	
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2

MINORS

Candidate must complete a minor in each of two fields to be selected from the following:

Biological Science	Mathematics
Commercial Education	Music
Economics	Physical Education
Education	Speech
History	

Advanced credit from other institutions in fields other than the ones above mentioned will be accepted toward the requirement.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.

Minimum residence requirement is 24 semester units.

At least 40 semester units must be taken in upper division courses.

REQUIREMENTS FOR A.B. DEGREE IN BIOLOGICAL SCIENCE

Lower Division

ENGLISH

	Units
English 1A and 1B-----	6
	6

FOREIGN LANGUAGES

Foreign Language (in not more than two languages. French required) -----	15

15

(Each year of high school work will be counted in satisfaction of three units of this requirement.)

PHYSICAL EDUCATION

Hygiene -----	2
Activities (one-half unit each semester) -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

PHILOSOPHY

Philosophy 5A-5B -----	6
	6

SCIENCE, BIOLOGICAL AND PHYSICAL

Botany 1A and 1B-----	8
Chemistry 1A -----	5
Zoology 1A and 1B-----	8
	21

SOCIAL SCIENCE

Year Course -----	6
Elective -----	8
	14

Upper Division**PHYSICAL EDUCATION**

	Units
Activities (one-half unit each semester)-----	2
	2

SCIENCE, BIOLOGICAL

Botany 110A and 110B -----	6
Botany 151 -----	3
Botany 140 -----	3
Biology 114 -----	3
Zoology 113 -----	4
Additional courses to be arranged-----	5
	24

SOCIAL SCIENCE

American Government -----	2
	2

MINORS

Candidates must complete a minor in two of the following fields:

Art	Home Economics
Commercial Education	Industrial Education
Economics	Mathematics
English	Music
Education	Physical Education
History	Speech

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.

Minimum residence requirements is 24 semester units.

At least 40 semester units must be taken in upper division courses.

REQUIREMENTS FOR A.B. DEGREE IN ENGLISH

Lower Division

ENGLISH

	Units
English 1A and 1B -----	6
English 56A and 56B -----	6
	12

FOREIGN LANGUAGES

Foreign Language (in not more than two languages) -----	15
	15

(Each year of high school work will be counted in satisfaction of three units of this requirement.)

PHILOSOPHY

Year Course -----	6
	6

PHYSICAL EDUCATION

Hygiene -----	2
Activities (one-half unit each semester) -----	2
	4

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Year course in Laboratory Science -----	6 or 8
Additional Science -----	8 or 6
	14

SOCIAL SCIENCE

History 4A and 4 B -----	6
Additional Social Science -----	8
	14

Upper Division**ENGLISH**

	Units
Shakespeare -----	3
Chaucer -----	3
Additional upper division English -----	18
	24

PHYSICAL EDUCATION

Activities (one-half unit each semester) -----	2
	2

SOCIAL SCIENCE

American Government -----	2
	2

MINORS

Candidate must complete a minor in each of two fields to be selected from the following:

Art	Home Economics
Biological Science	Industrial Education
Commercial Education	Mathematics
Economics	Music
Education	Physical Education
History	Speech

Advanced credit from other institutions in fields other than the ones above mentioned will be accepted toward the requirement.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.

Minimum residence requirement is 24 semester units.

At least 40 semester units must be taken in upper division courses.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SOCIAL SCIENCE

Lower Division

ENGLISH

	Units
English 1A and 1B -----	6
	6

FOREIGN LANGUAGE

Foreign Language (in not more than two languages) -----	15
	15

(Each year of high school work will be counted in satisfaction of three units of this requirement.)

PHYSICAL EDUCATION

Activities (one-half unit each semester) -----	2
	2

PSYCHOLOGY

General Psychology -----	3
	3

SCIENCE, BIOLOGICAL AND PHYSICAL

Year course in Laboratory Science -----	6 or 8
Additional Science -----	8 or 6
	14

SOCIAL SCIENCE

History 4A and 4B -----	6
Economics 1A and 1B -----	6
*Additional Courses -----	2
	14

YEAR COURSE

Mathematics (additional to Elementary Algebra and Geometry) --	6
	<i>or</i>
*Philosophy 5A-5B -----	6
	<i>or</i>
Additional Foreign Language -----	6

* The course in Philosophy fulfills the additional requirement in lower division Social Science.

Upper Division**PHYSICAL EDUCATION**

Units

Activities (one-half unit each semester) -----	2
	2

SOCIAL SCIENCE

Upper Division History -----	9
Upper Division Economics -----	9
American Government -----	2
Additional Social Science -----	6
	26

ADDITIONAL

Candidate must complete at least two minors in subjects taught in high schools, and as much education as possible toward meeting the requirements prescribed for the General Secondary Credential.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation.

Minimum residence requirement is 24 semester units.

At least 40 semester units must be taken in upper division courses.

REQUIREMENTS FOR A.B. DEGREE IN SOCIAL SCIENCE**(Liberal Arts)****Lower Division**

ENGLISH		Units
English 1A and 1B	-----	6
		6

PHYSICAL EDUCATION

Activities (one-half unit each semester)	-----	2
		2

PSYCHOLOGY

General Psychology	-----	3
		3

SCIENCE, BIOLOGICAL AND PHYSICAL

Year Course in Laboratory Science	-----	6 or 8
Additional Science	-----	8 or 6
		14

SOCIAL SCIENCE

History 4A and 4B	-----	6
Economics 1A and 1B	-----	6
Elective	-----	2 or 3
		14 or 15

Upper Division**PHYSICAL EDUCATION**

Activities (one-half unit each semester)	-----	2
		2

SOCIAL SCIENCE

Upper Division History	-----	9
Upper Division Economics	-----	9
American Government	-----	2
Additional Social Science	-----	6
		26

MINORS

Candidates must complete at least two minors in available college fields.

A minor is composed of 12 units, at least one-half of which must be in upper division.

Notes

A minimum of 124 semester units is required for graduation. Minimum residence requirement is 24 semester units.

If a student expects to transfer to another institution for graduate work, he must complete also the undergraduate requirements of that institution.

At least 40 semester units must be taken in upper division courses.

THE A.B. DEGREE IN ECONOMICS AND BUSINESS

Recommended Sequence

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
English 1A -----	3	English 1B -----	3
History 4A -----	3	History 4 B -----	3
Science -----3 or	4	Science -----3 or	4
Electives -----	6	Electives -----	6
Physical Activities -----	$\frac{1}{2}$	Physical Activities -----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Economics 1A -----	3	Economics 1B -----	3
Science -----3 or	4	Science or Electives-----*3 or	4
Accounting 14A -----	3	Accounting 14B -----	3
Electives -----	6	General Psychology -----	3
Physical Activities -----	$\frac{1}{2}$	Elective -----	3
		Physical Activities -----	$\frac{1}{2}$

JUNIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Labor Economics or		Business Organization -----	3
Social Security in U. S.-----	3	American Government -----	2
Business Law I-----	3	Business Law II-----	3
Minor -----	3	Minor -----	3
Electives -----	6	Electives -----	4
Physical Activities -----	$\frac{1}{2}$	Physical Activities -----	$\frac{1}{2}$

SENIOR YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Money and Banking-----	3	International Trade -----	3
Marketing -----	3	Business Finance -----	3
Minor -----	3	Minor -----	3
Electives -----	6	Electives -----	6
Physical Activities -----	$\frac{1}{2}$	Physical Activities -----	$\frac{1}{2}$

* Twelve of the 14 units required in science must be taken in the lower division with the provision that the number may be reduced by substituting equivalent high school work in science.

PRE-SECONDARY WORK**LOWER DIVISION COURSES FOR COLLEGE OF LETTERS
AND SCIENCE****Aims and Purposes**

These courses are designed for three groups of students:

(a) Students who plan to obtain later a Bachelor's Degree in the College of Letters and Science in another college or university and who wish to do the two years of lower division work at Humboldt. These students should register for the courses which will meet the requirements of upper division work in the college where they plan to get their degree.

(b) Students who plan to obtain a degree in a College of Applied Science or in a Professional School and wish to do some of their lower division work at Humboldt. Such students should write to or confer with the Dean to learn how many semesters of lower division work will be accepted in the special field in which they are planning to prepare.

(c) Special students enrolled for particular courses only.

Suggested Courses in the College of Letters and Science

The suggested requirements for lower division work for College of Letters and Science include sixty-four units of college work chosen as follows:

(a) English A. Physical Education, 2 units.

(b) Foreign Language—15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units toward this requirement.)

(c) Mathematics—Elementary Algebra and Geometry.

(d) Natural Science—12 units chosen from the following list: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology. (A year's work in high school Chemistry or high school Physics will count 3 units each in satisfaction of this requirement.)

(e) Additional. A year course (of at least 6 units) in each of three of the following groups:

(1) English, Public Speaking.

(2) Foreign Language (additional to b).

(3) Mathematics (additional to c).

(4) Economics, Geography, History, Political Science.

(5) Philosophy.

PRE-SECONDARY IN COMMERCE**LOWER DIVISION COURSES FOR COLLEGE OF COMMERCE**

The suggested requirements for lower division work for the College of Commerce include sixty-four units of college work chosen as follows:

(a) English A.

Physical Education, 2 units.

(b) Foreign Languages:

This requirement may be satisfied as follows:

1. By passing the Subject B examination in some acceptable foreign language (French, German, Spanish, Italian, Greek, Latin, Russian, Chinese, Japanese.)
2. By offering 12 units in one foreign language. Each year of language taken in the high school is to be counted as three units.

(c) English, 6 units

English 1A-1B or Public Speaking 1A-1B.

(d) History or Political Science, 6 units.

History 4A-4B, History 8A-8B, or Political Science 1A-1B.

(e) Geography, 6 units.

Geography 1 and Geography 2.

(f) Economics, 6 units.

Economics 1A and 1B.

(g) Natural Science, 9 units.

Courses in Physics and Chemistry taken in high school may be applied toward satisfaction of the science required without, however, reducing the number of units required for the Junior Certificate.

(h) Mathematics: Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.

(i) Electives.

Recommended: Economic History of U. S.
Accounting 14A-14B.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
French A-B -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4 or 5	3, 4 or 5
Intermediate Algebra (if needed to meet Mathematics requirement) -----	3	
Geography 1 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
French C-D -----	3	3
Science -----		3
Geography 2 -----	3	
Trigonometry (if needed to meet Mathematics requirement) -----	3	
Mathematics of Finance -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-SECONDARY IN AGRICULTURE**Recommended Sequences****AGRICULTURAL ECONOMICS**

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Philosophy 5A-5B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
General Psychology -----		3
Accounting -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PLANT SCIENCE**FRESHMAN YEAR**

Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

ANIMAL SCIENCE

FRESHMAN YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

FORESTRY

FRESHMAN YEAR

Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A or Geography 1 -----	3	
Botany -----		4
Economics 1A-1B -----	3	3
Electives -----	3	*3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

* Botany 4 is recommended.

PRE-SECONDARY IN COMMERCIAL EDUCATION

(See page 93)

One-Year Course

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Shorthand I -----	5	Shorthand II -----	5
Accounting 14A -----	3	Business Mathematics -----	3
Business English 1A -----	3	Business English 1B -----	3
Typing I or II -----	3	Typing II or III -----	2
Elective (optional) -----	1	Spelling -----	1
Orientation -----	$\frac{1}{2}$	Elective -----	2
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

Suggested Two-Year Course

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Shorthand I -----	5	Shorthand II -----	5
Business English 1A -----	3	Business Mathematics -----	3
Typing I or Elective -----	3	Business English 1B -----	3
*Business Law or Salesman- ship -----3 or	2	Typing II -----	2
Elective -----	1	Machine Calculation -----	2
Orientation -----	$\frac{1}{2}$	Spelling -----	1
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Transcription -----	3	Shorthand IV -----	5
*Salesmanship or Business Law or Econ. 1A ---2 or	3	Secretarial Training -----	3
Accounting 14A -----	3	Accounting 14B -----	3
Shorthand III -----	5	Typing IV -----	2
Typing III or IV -----	2	Public Speaking 1A -----	3
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$

Desirable Electives

Geography
 Hostess Training
 Industrial Education Courses
 Music
 Public Speaking 1B

Note

A Commerce diploma will be granted on completion of the scheduled courses.

* Taught in alternate years.

PRE-DENTAL**Recommended Sequence****Two-Year Course****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B } -----		
or } -----	3	3
†Year course } -----		
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
American Government -----		2
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the Junior Certificate in the College of Letters and Science.

PRE-ENGINEERING**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English A -----		
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

* Required if student did not have a course in Physics in high school.

† Chosen from the Letters and Science list, group (e).

PRE-SECONDARY IN HOME ECONOMICS

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A -----	3	English 1 B -----	3
History 4A -----	3	History 4B -----	3
Chemistry 1A -----	5	Chemistry 1B -----	5
Hostess Training and Food Selection -----	2	Food Selection and Adv. Hostess Training -----	3
Art Structure -----	2	Hygiene -----	2
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
	15 $\frac{1}{2}$		16 $\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Economics 1A -----	3	Economics 1B -----	3
Chemistry 8 -----	3	General Psychology -----	3
Biological Science -----	4	Clothing Construction -----	3
Costume and Personality -----	2	Household Administration <i>or</i> Child Care and Training --	2
Home Planning and Furnish. 3		Electives -----	5
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
	15 $\frac{1}{2}$		16 $\frac{1}{2}$

PRE-LEGAL**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French A-B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

French C-D -----	3	3
Philosophy 5A-5B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-MEDICAL**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French A-B -----	3	3
History 4A-4B -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French C-D -----	3	3
Year Course from group (e) -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

PRE-SECONDARY IN MUSIC

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
History 4A -----	3	History 4B -----	3
Science -----	4	Science -----	4
Harmony A -----	3	Harmony B -----	3
Music Hist. and Apprec.	3	Music Hist. and Apprec.	3
Applied Music -----	1	Applied Music -----	1
Music Activities -----	$\frac{1}{2}$	Beginning Instruments -----	2
Orientation -----	$\frac{1}{2}$	Music Activities -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
	15 $\frac{1}{2}$		17

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A -----	3	Public Speaking 1A -----	3
Physics 2A -----	3	Physics 2B -----	3
Harmony C -----	3	Harmony D -----	3
Beginning Instruments -----	2	Conducting -----	2
Ear Training and Sight Sing- ing -----	2	Applied Music -----	2
General Psychology -----	3	Beginning Instruments -----	2
Music Activities -----	$\frac{1}{2}$	Music Activities -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
	17		16

PRE-NURSING

One-Year Course

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A -----	5	
Zoology 1A -----	4	
Physiology 1 -----		5
General Psychology -----		3
Hygiene -----		2
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

PRE-NURSING

Two-Year Course

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A -----	5	
Physiology 1 -----		5
Foreign Language -----	3	3
Hygiene -----		2
Electives -----	4	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A -----	4	
General Psychology -----		3
Economics 1A-1B -----	3	3
Philosophy 5A-5B -----	3	3
American Government -----		2
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	6	4
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-PHARMACY

FRESHMAN YEAR

	Sem. 1	Sem. 2
English A—Examination or Course -----		
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		*6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

† Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A or Public Speaking 1A.

* Botany 4 is recommended.

COURSES OF INSTRUCTION

The semester in which the course is offered is indicated after the course title. Courses taught in the fall semester are marked (I); those taught in the spring are marked (II).

ART

1. ART STRUCTURE (I, II). 2 units

Analysis of structural principles, the vocabulary and meaning of art terms. Elements of art expression are studies in relation to our everyday surroundings as a basis for appreciation and creative effort.

Two one-hour periods per week. Fee, \$1.50.

2A. ELEMENTARY CRAFTS A (II). 1, 2 or 3 units

Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft make up the content of this course.

One, two, or three one-hour periods per week. Fee, \$1.75.

2B. ELEMENTARY CRAFTS B (I). 2 units

Puppetry and stagecraft.

Two one-hour periods per week. Fee, \$1.75.

3. ART APPRECIATION. 3 units

A study of the development of art through the early historic periods and schools in architecture, sculpture, painting, and minor arts up to the 20th century.

Three one-hour periods per week. Fee, \$1.

4. GRAPHIC EXPRESSION. 3 units

A study of form and space in proportion and composition expressed with line, value, and color.

Three one-hour periods per week. Fee, \$1.25.

5. DESIGN. 3 units

The organization of line, mass, space, volume, and color into patterns for surface decorations. Prerequisite: Art Structure.

Three one-hour periods per week. Fee, \$1.25.

15. LETTERING AND DESIGN. 3 units

Practice in the technique of lettering and use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm with the study of various types of letters.

Three one-hour periods per week. Fee, \$2.25.

102. APPLIED DESIGN.

3 units

Advanced problems in original designs suitable for industrial uses, with application of some to materials.

Three one-hour periods per week. Fee, \$1.

105A. LETTERING AND DESIGN A.

3 units

Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the college.

Three one-hour periods per week. Fee, \$2.25.

105B. LETTERING AND DESIGN B.

3 units

Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of the book. Continuation of poster service for college activities.

Three one-hour periods per week. Fee, \$1.25.

190. PRACTICUM IN ART.

2 units

Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation, and some participation in teaching.

Two one-hour class periods and two observation periods per week. Fee, \$1.25.

BIOLOGICAL AND PHYSICAL SCIENCE**Requirements in Biological Science****For General Elementary or Kindergarten Credentials**

The State requires a minimum of 14 units of natural science, at least 12 of which must be in the lower division. All 14 units may be taken in the lower division, and it is usually advisable to do so. The lower division credits must include one course from each of Groups A, B, and C. If zoology is elected in Group A, then Botany 4 must be taken. If botany is elected in Group A, then Zoology 4 must be taken.

A. Zoology 1A-1B; Zoology 1A and Physiology 1A; Botany 1A-1B.

B. Botany 4; Zoology 4.

C. Physics 10; Geology 1A.

In certain cases it may be possible to waive part of the subject requirements of Group B or Group C by examination, or by presenting evidence of adequate high school preparation.

For General Junior High School Credential

A minimum of 14 units of science credits required. The lower division credits must include one from each of Groups A, B, and C.

A. Botany 1A-1B; Zoology 1A-1B; Zoology 1A and Physiology 1.

B. Botany 4; Zoology 4.

C. Chemistry 1A; Physics 2A-2B; Physics 10; Geology 1A.

The major in Biological Science requires twenty-four semester units, at least twelve of which must be taken in upper division courses. It is recommended that the student take a year course from Group A and also additional Physical Science.

The minor must include at least 6 semester units of lower division biological science and 6 semester units of upper division biological science. Students minoring in biological science take 18 to 20 units of natural science due to the State requirement of at least 12 units in the lower division. The minor may be in either zoology or botany. The recommended minor in zoology is as follows: Zoology 1A; Zoology 1B or Physiology 1A; Zoology 113; and Zoology 112 or Biology 114. The recommended minor in botany is: Botany 1A-1B, Botany 110A, and Botany 110B. Botany 140 or Biology 114 may be substituted for Botany 110A or Botany 110B.

BIOLOGY**114. GENETICS.****3 units**

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution. Prerequisite: One year of biological science.

Three one-hour periods per week.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarian of local flora, and a greenhouse.

1A. GENERAL BOTANY (I). 4 units

This course deals with the fundamentals of the morphology and physiology of flowers, fruits, seeds, seedlings, roots, stems, and leaves. Field trips will be made to points near the college, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lectures and two three-hour laboratory periods per week.
Fee, \$.75.

1B. GENERAL BOTANY (II). 4 units

A continuation of course 1A covering the lower order of plants and an introduction to the taxonomy of the flowering plants.

Two one-hour lectures and two three-hour laboratory periods per week.
Fee, \$.75.

4. CLASSIFICATION OF FLOWERING PLANTS (II). 3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lectures and one three-hour laboratory period per week.

20. FLORICULTURE (II). 3 units

The propagation and culture of the more common annuals and bulbous plants grown in California gardens, the preparation of soils and planting of flower beds, application of simple principles of design to home grounds, the use of fertilizers, preparation and application of spraying materials.

Two lectures and one laboratory period per week.

110A. FOREST BOTANY (I). 3 units

A study of the forest trees and shrubs, including field identification, and a critical study of the characters and habits of gymnosperms.
Prerequisite: Botany 1A-1B.

Two three-hour laboratory periods and three hours field work per week.
Fee, \$.75.

110B. ANGIOSPERMS (II). 3 units

A study of representative orders of flowering plants; their habits and growth, structure, classification, and geographical distribution. Prerequisite: Botany 1A-1B.

Two three-hour laboratory periods and three hours field work per week.
Fee, \$.75.

107. PLANT ECOLOGY (I).**3 units**

A general survey of plant and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of this area to native plants. Prerequisite: One year in biological science.

Three one-hour periods per week.

140. ECONOMIC BOTANY (I).**3 units**

A study of those plants intimately bound up with the history of human existence, whose structural parts, secretions or fruits are used as food, shelter, clothing, medicine, or as industrial raw products. Prerequisite: One year of biological science.

Three one-hour periods per week and one or more field trips.

Chemistry**1A-1B. GENERAL CHEMISTRY (Yr.).****5-5 units**

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure. Prerequisites: At least two years of high school mathematics. High school physics or high school chemistry are strongly recommended as preparatory courses.

Three one-hour lecture periods and two three-hour laboratory periods per week. Fee, \$5.

8-9. ORGANIC CHEMISTRY (Yr.).**3-3 units**

A survey of the carbon compounds with laboratory preparations and illustrations.

Chemistry 8—Three one-hour lecture periods per week.

Chemistry 9—Three three-hour laboratory periods per week.

Prerequisites: Chemistry 1A-1B. Fee, \$5.

Geology**1A. GENERAL GEOLOGY (II).****3 units**

A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.

Three one-hour periods per week with field trips.

Physics**PHYSICS 1A (I).****3 units**

The elementary principles of mechanics. Prerequisites: Three years of high school mathematics, including Trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

Fee, \$2.50.

PHYSICS 1B (II).**3 units**

Emphasis on heat, radiation, elementary principles of meteorology, and

the properties of matter. Prerequisites: Three years of high school mathematics, including Trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

Fee, \$2.50.

2A-2B. GENERAL PHYSICS LECTURE (Yr.). 3-3 units

A general survey of physics for students of the biological sciences. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

3A-3B. GENERAL PHYSICS LABORATORY (Yr.). 1-1 unit

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity; to accompany the lecture course 2A-2B.

One three-hour laboratory period per week. Fee, \$2.50.

10. INTRODUCTION TO MODERN PHYSICS. 3 units.

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour lectures and one one-hour review section per week.

20. ELEMENTARY PHOTOGRAPHY (II). 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students. Fee, \$2.

Physiology

1. INTRODUCTORY PHYSIOLOGY (II). 5 units

A general introductory course on human physiology.

Three one-hour lectures and two three-hour laboratory periods per week. Fee, \$1.

Zoology

1A. GENERAL ZOOLOGY (I). 4 units

An introduction to the facts and principles of animal biology with special reference to the structure, functions, and evolution of animals. The study of seashore animal life will be correlated with the laboratory.

Two one-hour lectures, and two three-hour laboratory periods per week. Fee, \$1.

1B. GENERAL ZOOLOGY (II)

A continuation of course 1A. Structure and development of the chordates including the study of a mammal.

Two one-hour lectures, and two three-hour laboratory periods per week. Fee, \$1.

4. ELEMENTARY VERTEBRATE ZOOLOGY (I).**3 units**

Elementary classification and natural history of the common vertebrates, with emphasis on life histories and methods of conservation. This course is designed for teachers college students who do not elect Zoology 1A.

Two one-hour lectures, and one three-hour laboratory period or field trip per week.

112. INVERTEBRATE ZOOLOGY (II).**3 units**

Natural history of the invertebrate animals of the sea coast. A study of the habits, classification, development, and adaptations of the marine fauna, with particular reference to the Humboldt County coast. Prerequisite: Zoology 1A.

Two one-hour lectures, and one three-hour laboratory period or field trip per week.

113. GENERAL VERTEBRATE ZOOLOGY (II).**3 units**

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification. Lectures, field trips, and laboratory, with papers on assigned topics. Prerequisite: Zoology 1A-1B.

Two one-hour lectures, and one three-hour laboratory period or field trip per week. Fee, \$1.

COMMERCE

(See page 80)

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

5. MACHINE CALCULATION (I, II). 2 units

An intensive study of modern office machinery, including calculators, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present day business life for skilled operators.

Two one-hour periods per week. Fee, \$.25.

10. PENMANSHIP. No credit

A thorough course in practical business penmanship planned to meet the needs of teachers of penmanship. This course will be flexible enough to care for students who fail to meet major department standards.

Three one-hour periods per week.

14A. ACCOUNTING (I). 3 units

An introduction to the study of accounting. The mechanics of book-keeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Two one-hour class periods and one two-hour laboratory period per week.

14B. ACCOUNTING (II). 3 units

A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, non-profit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspect of accounting.

Two one-hour periods and one two-hour period per week.

21. BUSINESS MATHEMATICS (II). 3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes

of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. BUSINESS LAW (I).

3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. BUSINESS ENGLISH (Yr.).

3-3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

50. SALESMANSHIP (I).

2 units

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

130. BUSINESS LAW (II).

3 units

Civil Code of California, corporation law, law of personal and real property, carriers, trademarks, copyrights, bailments, and law of bankruptcy.

Textbook, cases, and lectures.

Three one-hour periods per week.

134. MARKETING (I).

3 units

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Three one-hour periods per week.

Secretarial Training

1A. SHORTHAND I (I).

5 units

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. SHORTHAND II (II).

5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that

develops new vocabulary. Includes a course in secretarial training and office practice.

Five one-hour periods per week.

1C. SHORTHAND III (I, II).

5 units

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking, law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Five one-hour periods per week.

1D. SHORTHAND IV (II).

5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Five one-hour periods per week.

2A. TYPING I (I, II).

3 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Ten one-hour periods per week.

2B. TYPEWRITING II (I, II).

3 units

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Ten one-hour periods per week.

2C. TYPING III (I, II).

2 units

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions, including dictaphone practice.

Six one-hour periods per week.

3. FILING (II).

2 units

Practice is given in all the methods of correspondence filing, such as The Triple Check Automatic Index, Varidex Alphabetic, Subject, Numeric, and Geographic. Attention is given to cross-indexing, coding, and follow-up or tickler systems. Strictly up-to-date filing outfits are used.

Two one-hour periods per week.

69. SECRETARIAL TRAINING (II).

3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking

and Financial Duties, Instruments of Credit, Office Machines and Appliances. Prerequisite: Typing I.

Three one-hour periods per week.

70. BUSINESS CONTACT (I). 2 units

Addresses, special talks, lectures, demonstrations by executives experienced in the subjects covered. Inspection trips. Each student is required to report each week one public lecture given either on or off the campus. Shorthand notes accompany the transcript.

71. SHORTHAND TRANSCRIPTION (I). 3 units

Essential points of English; style; and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Five one-hour periods per week.

STUDENT TEACHING AND EDUCATION COURSES

Student teaching offers one of the most profitable experiences a student has while in college. Through his teaching he learns to adapt himself to all types of personalities at the various grade levels.

Before beginning this important piece of work, the students will have been passed upon by the President and the Dean of Women as being young people possessing personality traits that are essential to those who are entering the teaching profession. In addition to this, the students must have satisfactorily passed the health examination, the aptitude test, the fundamental tests, and have made a "C" average in the academic courses.

In so far as circumstances permit, the theory courses are conducted on a laboratory basis, being closely connected with the activities of the College Elementary School. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. These courses serve the beginning teacher in many ways:

1. To gradually induct the student into teaching and thus increase his chances for success and to tend to prevent discouragement.
2. To direct the student's attention in a systematic manner to classroom conditions and activities.
3. To make it possible for the student to see and help carry on correct procedure from the first.
4. To make it possible for the student to see lessons taught by strong, resourceful teachers. The lessons observed serve as models to imitate, and a means for setting up standards of good teaching.
5. To provide the student with opportunities to learn to know children.
6. To help the student to become acquainted with books and materials of the classroom.
7. To help the student to become skillful in using correct procedures.
8. To give the student a view of the entire school curriculum.
9. To help to develop a professional attitude and to establish ideals of service among students.

Credits required in the professional courses are as follows:

Children's Literature -----	3	units
Educational Psychology -----	3	units
Curriculum Activities -----	3	units
Introduction to Education -----	3	units
Rural Education -----	2	units
Practicum in Art -----	2	units
Practicum in Music -----	2	units
Practicum in Physical Education -----	1½	units
Teaching I -----	2	units
Teaching II -----	8	units
Philosophy of Education -----	3	units

In the senior year each student teaches under guidance a grade three hours daily. He teaches in an upper grade for a nine-weeks' period and again in a lower grade for a nine-weeks' period.

After the student completes his teaching he takes a course in Philosophy of Education. Through this course an attempt is made to help him build up for himself a philosophy of education and thus a philosophy of life.

100. INTRODUCTION TO EDUCATION (I, II). 3 units

This course aims to give prospective teachers at the beginning of their professional training a broad outlook of the American system of education.

Three one-hour periods per week.

110. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (I). 3 units

General Psychology is prerequisite to this course. It involves the study of the learning activity of the individual from both the standpoint of the learner and the teacher. It includes the psychological principles involved in the teaching of subject matter as well as in extra-instructional activities involved under actual teaching conditions and procedures. The psychological values of visual education will also be emphasized.

Three one-hour periods per week.

111. GROWTH AND DEVELOPMENT OF THE CHILD (I, II). 3 units

A study of the psychological as well as the social development of the child including important aspects of mental hygiene involved in intellectual and emotional growth. The interrelationship of home, school, and community factors in child development is stressed.

A study of health supervision, environment, and methods of instruction as a basis for developing the school health program.

The course requirements include personal study of a child.

Three one-hour periods per week.

**115. INTRODUCTION TO EDUCATIONAL MEASUREMENTS
AND DIAGNOSIS (II).**

3 units

The nature and function of standard educational tests will be considered. Particular attention will be given to educational diagnosis which will enable students to discover and evaluate both strengths and weaknesses of individuals as a basis for effective guidance in remedial measures.

Three one-hour periods per week.

124. PHILOSOPHY OF EDUCATION (I, II).

3 units

This course is a study of the major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. CURRICULUM ACTIVITIES (I, II).

3 units

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.

Three one-hour periods per week.

137. RURAL EDUCATION.

2 units

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Two one-hour periods per week.

172. PRINCIPLES OF JUNIOR HIGH SCHOOL EDUCATION.

2 units

This course deals with the principles underlying the organization, administration, and curriculum of the junior high school. Particular stress is placed on the peculiar problems involved in teaching adolescent children.

Two one-hour periods per week.

191. CHILDREN'S LITERATURE (I, II).

3 units

A survey and comprehensive study of the various phases of children's literature for grades one to eight, inclusive. The purpose of the course is to familiarize students with content and types of literature suitable for use in different grades, to develop some personal appreciation of the material, and to give methods of applying it.

Three one-hour periods per week.

**192. CURRICULUM AND MATERIALS FOR KINDERGARTEN-
PRIMARY**

3 units

A study of the curriculum, materials, and teaching techniques in the kindergarten-primary grades. Observation of lessons taught for demonstration purposes.

Two one-hour periods per week.

310. TEACHING I (I, II).**2 units**

Teaching I consists of observation, participation, individual and group teaching.

Three one-hour periods per week.

320. TEACHING II (I, II).**8 units**

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary, Junior High, or Kindergarten-Primary Credential.

321. TEACHING III (I, II).**2 or 3 units**

This course provides an opportunity for students of exceptional ability to do advanced teaching which will include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

**388. PRINCIPLES AND OBJECTIVES OF SCOUTING AND
OTHER TYPES OF BOYS' WORK (I).****2 units**

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

389. CAMP FIRE LEADERS' TRAINING COURSE (II). 1 unit

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

ENGLISH

ENGLISH A (I, II).

This course gives drill in the mechanics of composition. It is required of all students who do not pass the entrance test in composition.

Three one-hour periods per week. No college credit.

1A. ENGLISH COMPOSITION (I, II).

3 units

Course offers weekly practice in writing exposition. Outlining, paragraph development, discovery and use of library resources are taught. Prerequisite: Passing grade in English A test or in course in English A.

Three one-hour periods per week.

1B. ENGLISH LITERATURE AND COMPOSITION (I, II).

3 units

English 1B is a course primarily introductory to the study of literature, although it offers a certain amount of further practice in writing. Prerequisite: English 1A.

Three one-hour periods per week.

30. RECREATIONAL READING 1A (I).

1 unit

Purpose to introduce the student pleasantly to some of the best modern writers. Preliminary talk of fifteen minutes, followed by silent reading—part fiction and part nonfiction. Students required to write appreciation notes for each book read.

Two one-hour periods per week.

50. DIRECTED READING.

1 unit

A collaboration in literary appreciation. This course is planned as a series of informal weekly group meetings with one objective: the enjoyment of literature. Students' interests will be the basis of reading and discussion; therefore use will be made of the classics, and of recent and contemporary literature.

56A. SURVEY OF ENGLISH LITERATURE (I).

3 units

The beginning of English literature and the main aspect of its development down to the Restoration (1660) are studied. Prerequisite: English 1B.

Three one-hour periods per week.

56B. SURVEY OF ENGLISH LITERATURE (II).

3 units

This course embraces the leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. NEWS WRITING (I, II).

3 units

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Three one-hour periods per week.

NOTE.—Journalism Minor: If there is sufficient demand, a minor will be offered in Journalism as follows:

Lower Division

News Writing ----- 3 units
Reporting ----- 3 units

Upper Division

Copy Reading ----- 3 units
Feature Writing ----- 3 units

English 1A and 1B, and 56A and 56B are prerequisites to the following upper division courses for students taking majors or minors in English. In certain cases an upper-division student not taking a major or a minor in English may, with the consent of the English department, elect some of the courses without the foregoing requirements.

106. VERSE FORMS (II). **3 units**

A survey of the development of English verse forms, with practice in metrical analysis, and an application of knowledge acquired to modern poetry.

Three one-hour periods per week.

115. THE ENGLISH LANGUAGE (II). **3 units**

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. SHAKESPEARE (II). **3 units**

This course includes an intensive study of a few of Shakespeare's plays, and a rapid reading of some others.

Three one-hour periods per week.

130A. AMERICAN LITERATURE (I). **3 units**

A brief survey of Colonial and Revolutionary literature is followed by a study of major writers of the nineteenth century to 1870.

Three one-hour periods per week.

The following courses will be offered over a period of two years, if necessary, the needs of the student enrolling determining just what courses will be given.

125C. THE ENGLISH NOVEL TO 1832. **3 units**

The course studies the English novel from Richardson through the early nineteenth century. Ten novels will be reported on by students, three studied by class. Prefaced to the survey is a consideration of the forerunners of the novel. The course includes a study of the novel as a literary form, as well as a more minute analysis of the great novels.

Three one-hour periods per week.

151. CHAUCER. **3 units**

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. ENGLISH LITERATURE FROM 1557 TO 1660. **3 units**

157. ENGLISH LITERATURE FROM 1660 TO 1780. **3 units**

158. ENGLISH LITERATURE FROM 1780 TO 1832. **3 units**

159. ENGLISH LITERATURE FROM 1832 TO 1900 **3 units**

Division of Speech and Drama**1A. PUBLIC SPEAKING 1A (I, II). 3 units**

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. PUBLIC SPEAKING 1B (I). 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice is provided in extemporaneous speaking and debate.

Three one-hour periods per week.

2A-2B. FUNDAMENTALS OF EXPRESSION AND INTERPERTATION (I, II). 3-3 units

This basic course in voice training and in the art of oral expression teaches the fundamental laws of interpretation and the manifestation of these principles through natural expression.

Three one-hour periods per week each semester.

10. THEORY AND TECHNIQUE OF ACTING (II). 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self confidence.

Three one-hour periods per week.

25 and 125. DRAMATIC WORKSHOP H (I, II). 2 units

A laboratory course in acting and in the technical practices of the stage. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance. For advanced students upper division credit will be given.

Three two-hour periods per week. Fee, \$.75.

120A. ADVANCED DRAMATICS (I, II). 3 units

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Three one-hour periods per week.

155A. PLAY PRODUCTION (I). 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. PLAY PRODUCTION (II).**3 units**

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

HOME ECONOMICS**Purpose:**

To offer a number of elective courses of general interest to students enrolled in any department.

To offer a Home Economics minor in Elementary Education or other departments.

To offer not less than two years of work toward a major in Home Economics with opportunity to transfer to another college for completion.

21. CLOTHING CONSTRUCTION (I). 3 units

Laboratory practice in construction of suitable garments, emphasizing selection and alteration of commercial patterns, and correct fitting methods. Study of textiles, purchase of materials and ready-made garments.

One one-hour lecture and three two-hour laboratory periods.

Fee \$1.

25. COSTUME AND PERSONALITY (II). 2 units

Open to all students.

Study of costume as an expression of personality and good taste in dress, including a study of color, design, and textiles as related to the individual.

Two-hour periods per week. Fee, \$.75.

53A. HOSTESS TRAINING AND FOOD SELECTION (I). 2 units

A study of food combinations for healthful meals; types of meal service and etiquette involved in each. Course includes a study of the courtesies of home, business, and professional life.

One one-hour lecture and two two-hour laboratory periods per week.

Fee, \$2.

53B. FOOD SELECTION AND ADVANCED HOSTESS TRAINING (II). 3 units

Continuation of hostess training with more emphasis on food study, nutrition, preparation, and marketing.

One one-hour lecture and two three-hour laboratory periods per week.

Fee, \$2.50.

112. CHILD CARE AND TRAINING. 2 units

A study of the development of the child from birth through the pre-school period.

Two one-hour periods per week and observation. Fee, \$.50.

121. ADVANCED CLOTHING CONSTRUCTION. 3 units

Continuation of Clothing Construction with emphasis on original designing, study of textiles, and improved technique.

One one-hour lecture and three two-hour laboratory periods per week.

Fee, \$1.

122. HOUSEHOLD ADMINISTRATION (II).**2 units**

A study of equipment and techniques contributing to efficient household management, with emphasis on consumer buying.

Two one-hour periods per week. Fee, \$.50.

130. HOME PLANNING AND FURNISHING (I).**3 units**

A study of the principles of art as applied to home furnishing problems. Aims to develop intelligent judgment in selection of furnishings from the standpoint of art, economy, and comfort.

Two one-hour lectures and one two-hour laboratory period per week and observation. Fee, \$.75.

INDUSTRIAL EDUCATION**5. POTTERY (I). 2 or 3 units**

An interesting course in an age-old industry. Designing, casting, throwing, modeling, glazing, and firing.

Two three-hour periods per week, or three three-hour periods per week.
Fee, \$1 per unit.

6. MODELING (I). 2 or 3 units

A course planned for those interested in modeling the human form as a prerequisite for art, facial correction in dentistry, etc.

Two three-hour periods per week, or three three-hour periods per week.

7A. MECHANICAL DRAWING (I, II). 2 units

A fundamental course in mechanical drawing covering orthographic, isometric, and cabinet projection, intersection of solids, sections, screws and threads, gears, cams, blue prints, etc.

Two three-hour periods per week.

7B. ADVANCED MECHANICAL DRAWING (II). 2 units

An advanced course in mechanical drawing given to aid students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Three two-hour periods per week.

12. METAL ARTS (II). 3 units

A course in the application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. ARCHITECTURAL DRAFTING. 2 or 3 units

Foundation work in beginning house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in Mechanical Drawing either in high school or college is advisable as a background.

Two or three three-hour periods per week.

15. RURAL SCHOOL HANDWORK AND TOYCRAFT (WOMEN) (I, II). 3 units

A course adapted to the use of the native materials, and waste products applied to work in the grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the lines tried.

Three one-hour periods per week.

20. BEGINNING WOODWORKING FOR WOMEN (I, II). 2 units

An experimental course offered especially for women who may be interested in making simple objects of furniture, and learning the use of the easier woodworking tools. Sewing cabinets, magazine holders, chests, and many other pieces of furniture can be made.

Two three-hour periods per week.

51. FUNDAMENTALS OF INDUSTRIAL EDUCATION (MEN)
(I, II). 3 units

A study of the fundamentals of industrial education and its application to the teaching of the subject in the grades. This includes methods, courses of study, construction of objects for grade work, and care and use of equipment.

Three three-hour periods per week.

52. BEGINNING WOODWORKING (MEN) (I, II). 2 or 3 units

Not planned for teachers. A study of the fundamentals of wood construction for those who wish to gain skill for a hobby or trade.

Two three-hour periods per week.

101. ADVANCED WOODWORKING (I, II). 2 or 3 units

Building of boats, airplane gliders, and large pieces of a similar nature. Prerequisite: Ind. Ed. 52.

Two or three three-hour periods per week.

103. THE ART OF HOUSE DESIGN. 2 or 3 units

A serious study of home planning and building. Prerequisite: Ind. Ed. 13.

Two or three three-hour periods per week.

105. ADVANCED POTTERY (I). 2 units

A serious study of the problems involved in pottery making as applied to teaching and commerce. Designing, decorating, throwing, packing, firing of the kiln are a few of the things studied.

Two three-hour periods per week.

123. PATTERNMAKING AND THEORY OF FOUNDRY
PRACTICE (II). 3 units

A study in the basic principles of foundry practice and patternmaking. The construction of simple patterns, and the casting in the softer metals.

Three three-hour periods per week.

124. ADVANCED CABINET AND OTHER WOOD CON-
STRUCTION (I). 2 or 3 units

An advanced course in woodwork offered for students interested either in teaching or in advanced construction problems.

Two three-hour periods, or three three-hour periods per week.

125. CARPENTRY. 3 units

A serious study of house construction. A recommended course to follow Industrial Education 103, The Art of House Design. Prerequisite: Industrial Education 52.

Three three-hour periods per week.

**126. ADVANCED CABINET AND WOOD CONSTRUCTION
FOR WOMEN. 2 units**

A course especially adapted for women interested in problems of an advanced nature in woodworking and cabinet work. Prerequisite: Industrial Education 20.

Two three-hour periods per week.

127. ADVANCED METAL ARTS (II). 2 or 3 units

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, as well as other metals.

Two or three three-hour periods per week.

130. ARCHITECTURAL DRAFTING AND DESIGN. 2 units

This course is planned to aid the student in designing practical, inexpensive, modern homes. Prerequisite: Industrial Education 7A.

Two three-hour periods per week.

MATHEMATICS**C. TRIGONOMETRY (I).****3 units**

A study of Plane Trigonometry and spherical right triangles. Prerequisite: Plane Geometry; one and one-half years of high school Algebra, or course I.

Three one-hour periods per week.

1. INTERMEDIATE ALGEBRA (I).**3 units**

Quadratic equations, exponents and radicals, practice in the use of logarithms, and theory of equations, elementary determinants, progressions, and the binomial theorem. Prerequisite: one year of high school Algebra or General Mathematics.

Three one-hour periods per week.

2. MATHEMATICS OF FINANCE (I).**3 units**

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance. Prerequisite: Two years of high school Algebra or Intermediate Algebra.

Three one-hour periods per week.

3A. PLANE ANALYTIC GEOMETRY (I).**3 units**

Cartesian and polar equations of the straight line, conic sections, and general equations of the second degree. Prerequisite: High school algebra, geometry, and trigonometry.

Three one-hour periods per week.

3B. DIFFERENTIAL CALCULUS (II).**3 units**

A continuation of plane analytics with a study of differential calculus, and an introduction to integral calculus. Prerequisite: Mathematics 3A.

Three one-hour periods per week.

**20. MATHEMATICS OF THE ELEMENTARY SCHOOL
(I, II).****3 units**

Operations and principles essential to the manipulation of fractions, equations, and formulae, with applications from design, graphics, statistics, investment, and engineering. Prerequisite: Elementary Algebra and Geometry.

Three one-hour periods per week.

21. INTRODUCTION TO BUSINESS MATHEMATICS (II).**3 units**

Principles of business mathematics; simple and compound interest; simple, successive, and bank discount; profit; loss; tax rates; annuities; graphs with practical applications.

Three one-hour periods per week.

104A. INTEGRAL CALCULUS AND SOLID ANALYTICS (I).**3 units**

Continues the development and application of the calculus; includes infinite series, partial derivatives. Prerequisite: Differential Calculus.

Three one-hour periods per week.

104B. INTEGRAL CALCULUS AND SOLID ANALYTICS (II).

3 units

A continuation of Mathematics 104A including quadric surfaces and multiple integration. Prerequisite: Mathematics 104A or Integral Calculus.

Three one-hour periods per week.

CIVIL ENGINEERING

1A-1B. PLANE SURVEYING (Year Course).

3-3 units

Principles, field practice, calculations, and mapping. Prerequisite: Plane Trigonometry and Geometrical Drawing.

Two one-hour lectures and one three-hour laboratory period per week.

MODERN LANGUAGES**Prefatory Statement:**

The modern language department offers three years of French and one year of Spanish.

French is required or recommended for students majoring in fields in which foreign language is required in the lower division.

A student with previous language training should consult the instructor for arrangement of courses suited to his needs.

French**FRENCH A (I, II).****3 units**

Elementary French. Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Four one-hour periods per week.

FRENCH B (I, II).**3 units**

Elementary French. A continuation of French A. Prerequisite: French A or one year of high school French.

Four one-hour periods per week.

FRENCH C (I, II).**3 units**

Intermediate French: Reading, grammar, and composition. Prerequisite: French B or two years of high school French.

Three one-hour periods per week.

FRENCH D (I, II).**3 units**

Intermediate French: Continuation of French C. Prerequisite: French C or three years of high school French

Three one-hour periods per week.

FRENCH 5A (I).**3 units**

Advanced French: Reading. A brief survey of the development of French literature from the thirteenth to the eighteenth century. Reading of representative writers of this period. Prerequisite: French D or four years of high school French.

Three one-hour periods per week.

FRENCH 5B (II).**3 units**

Advanced French: Reading. Continuation of French 5A. A survey of French literature from the eighteenth century to the present time.

Three one-hour periods per week.

Spanish**A. ELEMENTARY SPANISH (I).****3 units**

Pronunciation, fundamentals of grammar, reading of simple texts. Corresponds to first-year high school Spanish.

Four one-hour periods per week.

B. ELEMENTARY SPANISH (II).**3 units**

Continuation of Spanish A. Corresponds to second-year high school Spanish. Prerequisite: Course A or one year of high school Spanish.

Four one-hour periods per week.

MUSIC**1A. INTRODUCTORY MUSIC READING—PIANO (I, II). 1 unit**

This course includes work for those who wish to learn to play simple songs and rhythmic compositions. It is also open to students wishing to continue piano work.

One one-hour period per week.

1. INTRODUCTORY COURSE IN MUSICIANSHIP (I, II).

3 units

A required course for all students working for a teaching credential. Music majors not eligible. Course includes elementary work in ear training, sight singing, and piano keyboard; and is designed to give the fundamentals of music in a direct and concise manner. (Note: This course combines into one the old course in Ear Training and Sight Singing and Introductory Music Reading—Piano.)

Three one-hour periods per week.

2A. EAR TRAINING AND SIGHT SINGING (I).

2 units

Music majors only. (Music minors may take this course instead of 1 upon recommendation of the music department.)

This course is designed to give a thorough foundation in the elements of music-tonal and rhythmical dictation, sight singing, and melodic writing. It covers major and minor modes on the treble and bass staves.

Three one-hour periods per week.

2B. ADVANCED EAR TRAINING AND SIGHT SINGING (II).

2 units

Music majors only. Prerequisite: Ear Training and Sight Singing

2A. This course includes dictation of intervals, chords and melodies; regular and irregular rhythms; and original melodies.

Three one-hour periods per week.

3A. MUSIC HISTORY AND APPRECIATION (I, II).

3 units

History of instrumental music composers and the development of instrumental music forms. It comprises a study from the beginning of the fantasia, the fugue, the sonata, the symphonic poem, and the symphony.

Three one-hour periods per week.

3B. MUSIC HISTORY AND APPRECIATION (I, II).

3 units

History of vocal music composers and the development of vocal music forms. It comprises a study of the opera, the oratorio, and the art song.

Emphasis is placed upon hearing representative music of each type.

Three one-hour periods per week.

4A. HARMONY A (I).**3 units**

Study of scale structure, intervals, primary chords and inversions, and writing of four-part harmony. Harmonization of given and original melodies. One hour of keyboard harmony included per week.

Three one-hour periods per week.

4B. HARMONY B (II).**3 units**

Secondary triads, non-harmonic tones, seventh chords and inversions, harmonic analysis, modulation. One hour of keyboard harmony included per week.

Three one-hour periods per week.

14A. HARMONY C (I).**3 units**

Altered chords, original composition, modulation, and ninth chords. One hour of keyboard harmony required per week.

Three one-hour periods per week.

14B. HARMONY D (II).**3 units**

Augmented sixth chords, more difficult modulations, whole-tone scale, secondary dominant formations. One hour of keyboard harmony required per week.

51. STRINGED INSTRUMENTS (I).**2 units**

Violin, viola, 'cello, string bass. Study and practice of one or more of the stringed instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

52. BRASS INSTRUMENTS (II).**2 units**

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

53. WOODWIND INSTRUMENTS (I).**2 units**

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

109. CONDUCTING (II).**2 units**

Interpretation and baton technique as applied to choral and instrumental ensembles.

Two one-hour periods per week.

190. PRACTICUM IN MUSIC (I, II).**2 units**

Survey of the field of public school music. Philosophy of music education illustrated by means of practical devices for teaching such phases as rhythmic interpretation, toy-symphony orchestra, correction of tone deficiency, rote singing, sight reading, and creative expression.

Two one-hour periods per week.

192. MUSIC APPRECIATION METHODS (I). 3 units

This course emphasizes a broad survey of musical literature. It is valuable for general culture and for those interested in teaching. It gives an up-to-date procedure of teaching such material to children from the first grade through the junior high school.

Three one-hour periods per week.

199. NORMAL COURSE IN PIANO PEDAGOGY.

Credit will be arranged on basis of number of lessons taken.

The Normal Course is for those who intend to teach piano and for teachers who wish to become more efficient and better acquainted with modern pedagogy.

This course will be given in a series of lectures accompanied by demonstrations of technical points involved.

MUSICAL ORGANIZATIONS**5A, B. WOMEN'S GLEE CLUB (I, II).** $\frac{1}{2}$ unit

This course affords opportunity for the study of three- and four-part choral compositions, voice development, interpretation, building repertoire, and public appearance. Lower and upper division credit given.

Two one-hour periods per week. Fee, \$.75.

6A, B. MEN'S GLEE CLUB (I, II). $\frac{1}{2}$ unit

This course affords opportunity for study of four-part choral compositions, voice development, interpretation, public appearance, and building well-balanced programs. Lower and upper division credit given.

Two one-hour periods per week. Fee, \$.75.

7A, B. A CAPPELLA CHOIR (I, II). 1 or 2 units

The a cappella choir members are chosen by the director from the best voices in the men's and women's glee clubs. The choir presents several concerts before the public each year. Lower and upper division credit given.

Two two-hour periods per week. Fee, \$.75.

10A, B. ORCHESTRA (I, II). $\frac{1}{2}$ unit

The orchestra affords qualified students an opportunity for study of good orchestral composition, and for learning to play with good interpretation and finish and precision. Outside practice is necessary. For advanced students upper division credit will be given.

One two-hour period per week. Fee, \$.75.

APPLIED MUSIC

One unit of credit will be given for one-half hour lesson per week and the necessary practice for the lesson.

Private Piano -----	per month	\$5 00
String Instruments -----		1 25
Voice—Mr. Jeffers -----		1 50
Band and Orchestra Instruments-----		

The fees are for half-hour lessons except in piano.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Every student is required to take Hygiene, and every student carrying 12 or more units of work is required to take Physical Education unless excused by the Director of Health Service and Physical Education. This activity requirement is administered on the basis of two one-hour periods per week.

Freshman men are required to take P.E. 50A, and freshman women P.E. 52A. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Courses for Men**50A. FRESHMAN PHYSICAL ACTIVITIES (Required) (I, II).** $\frac{1}{2}$ unit

This course consists of a program of games such as touch football, basketball, volleyball, handball, and playground baseball. Some games of similar type, and elements of tumbling are included.

50B-D. PHYSICAL ACTIVITIES (I, II). $\frac{1}{2}$ unit**62A-H. ATHLETICS (I, II).** $\frac{1}{2}$ or 1 unit

(1 unit per semester for first year.)

Football and basketball (fall semester).

Basketball, baseball, track and field (spring semester).

71. BOXING (I). $\frac{1}{2}$ unit**192A. THEORY OF ATHLETICS (I).**

2 units

Football, soccer, speedball, and basketball.

Two one-hour periods per week.

192B. THEORY OF ATHLETICS (II).

2 units

Baseball, track and field, and tennis.

Two one-hour periods per week.

Courses for Women**52A. FRESHMAN PHYSICAL ACTIVITIES (Required) (I, II).** $\frac{1}{2}$ unit

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as run-

ning, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body functions or normal body mechanics.

61A-B. NATURAL DANCING (I, II). $\frac{1}{2}$ unit

63A. FIELD HOCKEY AND VOLLEYBALL (I). $\frac{1}{2}$ unit

63B. BASKETBALL, BASEBALL, AND SPEEDBALL (II). $\frac{1}{2}$ unit

80. THEORY OF RHYTHMS (I). 1 unit

A study of the dance field. Consideration of all types of rhythmic work for elementary and secondary schools. Educational program possibilities.

One one-hour period per week.

193A. THEORY OF ATHLETICS (I). 2 units

Field hockey, soccer, speedball, volleyball, handball.

Two one-hour periods per week.

193B. THEORY OF ATHLETICS (II). 2 units

Basketball, baseball, tennis, track and field.

Two one-hour periods per week.

Courses for Men and Women

2. HYGIENE (I, II). 2 units

An informational course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

54A-D. RESTRICTED ACTIVITIES (I, II). $\frac{1}{2}$ unit

Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.

Two one-hour periods per week.

60A-B. CLOG AND TAP DANCING (I, II). $\frac{1}{2}$ unit

60C. TAP CLUB (I, II). $\frac{1}{2}$ unit

Advanced technique; original numbers required of students; participation in school programs.

Two one-hour periods per week.

64A-C. TENNIS (I, II). $\frac{1}{2}$ unit

66A-C. ARCHERY (I, II). $\frac{1}{2}$ unit

69A-B-C-D. INDIVIDUAL SPORTS (I, II). $\frac{1}{2}$ unit

A-B—Badminton, deck tennis, paddle tennis, table tennis, horseshoes.

C—Boxing.

D—Fencing.

70A-B. GOLF (I, II). $\frac{1}{2}$ unit

72. BALLROOM DANCING (I, II). ½ unit

Basic dance techniques; foxtrot, waltz, and tango routines. Dance etiquette.

Two one-hour periods per week.

100. FREE-PLAY ARCHERY, FREE-PLAY GOLF, FREE-PLAY HANDBALL, FREE-PLAY TENNIS, or FREE-PLAY BADMINTON (I, II). ½ unit

Open to senior students who have had previous instruction in the activity and who are approved by the staff.

190B. METHODS IN SINGING GAMES AND FOLK DANCES (I, II). ½ unit

Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

190C. ADVANCED FOLK DANCING (II). ½ unit

Recreational folk dancing. Prerequisite: P.E. 190B.

151. APPLIED KINESIOLOGY AND METHODS IN CORRECTIVE PHYSICAL EDUCATION (I). 4 units

The combined course includes a study of the anatomy of muscles, bones, joints, and of the nervous system as a basis for understanding bodily movement in exercise and sports; the principles underlying good body mechanics; the causes, correction and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program, equipment facilities and procedure; the fundamentals and practice of massage. Much of the work is practical. No prerequisites except upper division standing.

Four one-hour periods per week.

175. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION (I). 3 units

The evaluating of the history of physical education, the weighing of current problems in the field, the setting-up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. PRINCIPLES OF COMMUNITY RECREATION (I). 2 units

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

198. CONFERENCE ON SECONDARY SCHOOL PHYSICAL EDUCATION (II). 2 units**199. PRACTICUM IN PHYSICAL EDUCATION (I, II). 1½ units**

The organization of the physical education program in Grades I through VIII.

One class hour, two activity hours, and one observation hour per week.

SOCIAL SCIENCE

In addition to courses offered for the fulfillment of the Social Science requirements in the various teacher-training curricula, this department offers work toward three A.B. degrees in the field of Liberal Arts:

1. The Pre-Secondary A.B. Degree in Social Science which after an additional year of graduate study meets the credential requirements for teaching in high school.

2. The Liberal Arts A.B. Degree in Social Science which serves the needs of those who wish to obtain a liberal education, or to apply for positions in the government or social service fields, or of those who expect to pursue graduate studies in the Social Sciences.

3. In cooperation with the Commerce Department, the A.B. Degree in Economics and Business for those who expect to enter the field of government service or private business.

Economics**1A. PRINCIPLES OF ECONOMICS (I, II). 3 units**

The evolution of modern capitalistic industry; followed by a more intensive study of our present economic organization and of the economic laws governing value and price.

Three one-hour periods per week.

1B. PRINCIPLES OF ECONOMICS (II). 3 units

A continuation of course 1A, dealing with the distribution of wealth and income, government finance, labor problems, and proposed methods of reform of our economic system.

Three one-hour periods per week.

113. ECONOMIC AND SOCIAL HISTORY OF THE UNITED STATES. 3 units

A study of the development of American economic institutions and of the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

120. BUSINESS ORGANIZATION. 3 units

A course dealing with the practical problems of organization, control and management of private enterprise, and the relation of government to business.

Three one-hour periods per week.

134. BUSINESS FINANCE.**3 units**

A study of instruments and methods of financing private business. Special emphasis on corporation finance and investments.

Three one-hour periods per week.

135. PRINCIPLES OF MONEY AND BANKING (I).**3 units**

A study of the nature and function of money and credit followed by a study of the structure and functions of the most important financial institution in American economic society.

Three one-hour periods per week.

150. LABOR ECONOMICS (I).**3 units**

A survey of modern labor conditions followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

151. PROGRAMS OF ECONOMIC SECURITY**2 or 3 units**

A study of the causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning, unemployment and old age insurance, security against industrial accidents and occupational diseases, health insurance, and public relief.

Three one-hour periods per week.

**189. SOCIAL AND ECONOMIC ASPECTS OF IMMIGRATION
(II).****3 units**

A brief survey of the history of immigration into the United States followed by a more comprehensive study, both qualitative and quantitative, of recent tendencies. Prerequisite: 6 units of lower division Economics.

Three one-hour periods per week.

195. PRINCIPLES OF INTERNATIONAL COMMERCE (II).**3 units**

A study of the theory of international trade, balance of trade and payments, foreign exchanges and foreign trade financing, international debts, government control and direction of international trade. Prerequisite: Six units of lower division economics.

Three one-hour periods per week.

Geography

1. INTRODUCTION TO GEOGRAPHY (II). 3 units

The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.

Three one-hour periods per week.

2. CULTURAL AND REGIONAL GEOGRAPHY (I, II). 2 or 3 units

A brief study of the physical environment as the home of man followed by a more intensive study of human activities as affected by this environment, supplemented by class reports on geographical regions.

Two or three one-hour periods per week.

History

4A. HISTORY OF WESTERN CIVILIZATION (I, II). 3 units

The cultural, religious, institutional, political, and economic foundations of modern European history; a rapid survey of ancient, medieval, and modern history to the eighteenth century.

Three one-hour periods per week.

4B. HISTORY OF WESTERN CIVILIZATION (I, II). 3 units

The strategic, political, economic, and cultural foundations of contemporary European and world history, with emphasis upon international relations. The course covers the period from the eighteenth century to the present.

Three one-hour periods per week.

146. CONTEMPORARY EUROPE (II). 3 units

Europe since 1870; the immediate causes of the World War; new Europe since 1914; contemporary international relations.

Three one-hour periods per week.

149A. HISTORY OF RUSSIA TO THE MIDDLE OF THE 19TH CENTURY. 3 units

The first Russian state at Kiev; the Mongol-Tatar invasions; rise of the Muscovite state; Peter the Great and the modernization of Russia; Russia under Catherine the Great, Alexander I, and Nicholas I, to the Crimean War.

Three one-hour periods per week.

149B. HISTORY OF MODERN RUSSIA. 3 units

Liberal reforms of Alexander II; background of the revolution; the revolutionary movement; Revolution of 1905; World War; Revolutions of 1917; Russia under the Bolsheviks.

Three one-hour periods per week.

165A-165B. HISTORY OF MODERN EUROPEAN EXPANSION (I, II). 3-3 units

The growth of colonial empires after 1492; motives, rivalries, and policies of expansionist nations in the occupation and exploitation of

dependent areas; the growth of administrative methods. Prerequisite: 6 units of lower division history.

Three one-hour periods per week.

189. HISTORY OF THE PACIFIC COAST (I). 3 units

The Spanish period; the frontier in American history; the conquest and development of the Pacific Coast region of the United States.

Three one-hour periods per week.

Philosophy

5A. INTRODUCTION TO PHILOSOPHY (I). 3 units

An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources including the philosopher poets and contemporary writers.

Three one-hour periods per week.

5B. INTRODUCTION TO PHILOSOPHY (II). 3 units

A special consideration of the basic problems of philosophy including historical references to solutions presented in the past. Lectures, reading, and discussions with appropriate tests.

Three one-hour periods per week.

Political Science

1A. COMPARATIVE GOVERNMENT. 3 units

The political organization of Great Britain and her self-governing dominions, of France, Belgium, and Italy; cabinet systems, parliamentary and judicial organization; political parties. (Not offered 1938-1939.)

Three one-hour periods per week.

1B. COMPARATIVE GOVERNMENT. 3 units

This is a continuation of course 1A, dealing with similar features in the governments of Switzerland, Germany, Russia, Japan, and the United States. (Not offered 1938-1939.)

Three one-hour periods per week.

151. AMERICAN NATIONAL GOVERNMENT (I, II). 2 units

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

Psychology

1. GENERAL PSYCHOLOGY. 3 units

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

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ENTRANCE TO ADMINISTRATION BUILDING

1939

1940

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AUGUST

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OCTOBER

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JUNE

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DECEMBER

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CALENDAR, 1939-1940

Fall Semester 1939

Monday, September 11 -----English A Test, 9 a.m.
Senior Registration, 9 a.m. to 12 m.
Second-Semester Freshmen Registration, 1 to 4 p.m.
Tuesday, September 12,-----Sophomore Registration, 9 a.m. to 12 m.
Junior Registration, 1 to 4 p.m.
Wednesday, September 13-----
First-Semester Freshmen Registration, 9 a.m. to 4 p.m.
Thursday, September 14-----Instruction begins
Thursday, November 30, to Sunday, December 3----Thanksgiving recess
Saturday, December 15, to Tuesday, January 2-----Christmas holidays
Monday, Tuesday, Wednesday, Thursday, January 22-25-----
-----Semester examinations

Spring Semester 1940

Monday, January 29-----English A Test, 9 a.m.
Senior and Second-Semester Freshmen Registration, 9 a.m. to 12 m.
Sophomore Registration, 1 to 4 p.m.
Tuesday, January 30-----Junior Registration, 9 a.m. to 12 m.
First-Semester Freshmen Registration, 1 to 4 p.m.
Wednesday, January 31-----Instruction begins
Thursday, February 22-----Washington's Birthday
Saturday, March 16, to Sunday, March 24-----Spring vacation
Thursday, May 30-----Memorial Day
Monday, Tuesday, Wednesday, Thursday, June 3-6, Semester examinations
Friday, June 7-----Commencement

Summer Session 1940

Six weeks-----June 17 to July 26

Fall Semester 1940

(Probable Dates)

Tuesday, September 10-----English A Test, 9 a.m.
September 10, 11, 12-----Registration

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OFFICIAL DIRECTORY HUMBOLDT STATE COLLEGE

Administered Through the
STATE DEPARTMENT OF EDUCATION

STATE BOARD OF EDUCATION

A. HEBER WINDER, President

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MISS ALICE H. DOUGHERTY	ANGA M. BJORNSON
MRS. RAE L. SHOEMAKER	

EXECUTIVE OFFICERS

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MRS. IRENE TAYLOR HEINEMAN	Assistant Superintendent of Public Instruction
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DR. A. A. DOUGLASS	Chief, Division of Secondary Education
MISS HELEN HEFFERNAN	Chief, Division of Elementary Education and Rural Schools
DR. IRA W. KIBBEY	Chief, Bureau of Business Education

COLLEGE ADMINISTRATIVE OFFICERS AND ASSISTANTS

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HOMER P. BALABANIS_____	Vice-President
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C. E. GRAVES_____	Librarian
HELEN A. EVERETT_____	Acting Assistant Librarian
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MONICA W. HADLEY_____	Director of Health Service and Dean of Women
GARFF B. WILSON_____	Men's Adviser
IMOGENE B. PLATT_____	Head Resident, Sunset Hall
HARRY L. JENKINS_____	College Physician
NOAH A. STROMBERG_____	College Dentist
VERNON O. TOLLE_____	Director of Teacher Training
MAURICE HICKLIN_____	Director of News Service
HERBERT L. HART_____	Director of Athletics
MARGARET BROOKINS_____	Assistant to Financial Secretary
CLAIRE SPEIER_____	Assistant to Registrar
EMMALENA WINKLER_____	Assistant to Financial Secretary
ELOISE CLARK_____	Assistant to Registrar

FACULTY

GIST, ARTHUR S., M.A.

PRESIDENT

B.Ed., M.A., University of Washington; additional graduate study, University of California, Columbia University. Director Teacher Training, San Francisco State Teachers College; Summer Session Faculty, University of Washington, University of Utah, George Peabody College for Teachers, University of California, University of Southern California, University of Texas. Author: "Elementary School Supervision"; "Administration of an Elementary School"; "Clarifying the Teacher's Problems"; "Administration of Supervision"; "The Teaching and Supervision of Reading" (co-author); "New Stories from Eskimo Land" (co-author). Editor of Yearbooks, Department of Elementary School Principals, National Educational Association.

ARNOLD, HOMER L., M.A.

PROFESSOR OF MATHEMATICS AND PHILOSOPHY

Bachelor of Accounts, International Business College, South Bend, Indiana; B.S., Indiana State Teachers College (Eastern Division); A.B., University of Indiana; M.A., University of Chicago; additional graduate study, University of Chicago, Stanford University, University of Michigan. Head, Department of Education and Psychology, New Mexico State Normal School.

BALABANIS, HOMER P., Ph.D.

VICE-PRESIDENT AND PROFESSOR OF ECONOMICS

Ph.B., M.A., University of Chicago; Ph.D., Stanford University. Assistant, School of Commerce and Administration, University of Chicago; Teaching Assistant, Department of Economics, Stanford University; Summer Session Faculty, San Jose State Teachers College; Director of Summer Session, Humboldt State Teachers College. Author: "The American Discount Market," "Travel Sketches of Europe."

BESTOR, RUTH E., M.A.

ASSOCIATE PROFESSOR OF EDUCATION

B.S., M.A., Columbia University. Kindergarten and First Grade Teacher, Kalamazoo, Michigan; Critic Teacher, Western State Normal; Demonstration First Grade, Western State Normal; Critic Teacher, Kindergarten, University of California at Los Angeles; Demonstration Kindergarten, University of California at Los Angeles; Teacher, Second Grade, Progressive School of Los Angeles; Summer Session Demonstration Teacher, Columbia University.

DAVIES, SARAH, B.S.

SECRETARY TO THE PRESIDENT

B.S., Linfield College; graduate study, University of Hawaii. Secretary to Superintendent of Schools, Longview, Washington; Secretary to the President, Linfield College; Student Assistant in the Department of Business Administration, Linfield College, McMinnville, Oregon; European travel.

DICKSON, BELLE L., M.A.

ASSISTANT PROFESSOR OF EDUCATION

Graduate, Cheney State Normal School, Cheney, Washington; A.B., University of Washington; M.A., University of Chicago; additional graduate study, University of Chicago, University of Washington. Teacher in elementary schools; teacher of geography and elementary science, platoon school, Spokane, Washington. Author: "Plans and Activities for the Primary Grades," "Activities in Progressive Education."

- FISHER, RAYMOND H., Ph.D. ASSOCIATE PROFESSOR OF HISTORY
 B.A., M.A., Ph.D., University of California; undergraduate study, Yale University; Russian Language School, Summer Session, Columbia University. Teaching assistant, Department of History, University of California.
- FOLSOM, ELMA McCANN, M.A. ASSOCIATE PROFESSOR OF ENGLISH
 A.B., M.A., Washington State College; additional graduate study, University of California, Leland Powers School of the Spoken Word (Boston), University of Oregon, Stanford University; European study and travel. Instructor in English, Washington State College; Associate Professor of English, Michigan State Normal College, Ypsilanti.
- GARVIN, HELEN M., M.A. ASSOCIATE PROFESSOR OF MUSIC
 A.B., College of Pacific; M.A., Mills College; additional training, Northwestern University, Oberlin Observatory, Eastman School of Music, University of Oregon, Chicago Musical College. Supervisor of Music, public schools; Pittsburgh, Pa.; Duluth, Minn.; Modesto, California. Instructor in Music and Supervisor of Music Student Teachers, Mills College.
- GILLESPIE, DORIS KILDALE, Ph.D. LECTURER IN BIOLOGICAL SCIENCE
 A.B., M.A., Ph.D., Stanford University. Teaching Assistant, Botany and Biology, Stanford University; Instructor in Science, Humboldt State Teachers College; Research, Gray Herbarium, Harvard University; Assistant Professor of Science, Arizona State Teachers College, Tempe, Arizona.
- GRAVES, C. EDWARD, A.B. LIBRARIAN
 A.B., Wesleyan; New York State Library School. Instructor, Wesleyan University; Assistant, University of Illinois Library; Librarian, Minnesota Historical Society.
- GRIFFITH, HARRY E., M.A. ASSOCIATE PROFESSOR OF PHYSICAL EDUCATION
 Ed.B., University of California at Los Angeles; M.A., University of California at Berkeley; additional graduate study at Claremont Colleges. Instructor in Physical Education, Central Junior High School, Riverside, California; Instructor in Physical Education and Head of Department, Riverside Junior College and High School; Summer Session, Instructor in Physical Education, University of California at Los Angeles.
- HADLEY, MONICA W., M.S. ASSISTANT PROFESSOR OF PHYSICAL EDUCATION AND DEAN OF WOMEN
 B.S., M.S., University of Washington; additional study, University of Southern California; special work in Body Mechanics at Children's Orthopedic Hospital, Los Angeles, California. Assistant in Recreational and Intramural Sports, St. Nicholas School for Girls, Seattle University; Teaching Fellow in Physical Education, University of Washington.
- HART, HERBERT L., M.A. PROFESSOR OF PHYSICAL EDUCATION
 B.S., Purdue University; M.A., University of Chicago; additional graduate study, University of Iowa and Stanford University. Director of Athletics, coach in major intramural sports, and teacher of physical education courses, Mt. Morris College, and Monmouth College, Illinois.
- HICKLIN, MAURICE, M.A. PROFESSOR OF ENGLISH
 A.B., University of Missouri; B.J., School of Journalism, University of Missouri; M.A., Stanford University. Graduate teaching assistant, University of Missouri; Instructor, University of Washington; Graduate teaching assistant, Stanford University; Summer Session Faculty, University of California at Los Angeles.

HOPPE, WILLIAM E., M.A. ASSISTANT PROFESSOR OF SPEECH

A.B., M.A., University of Southern California; additional graduate study, University of Southern California. Play Production Manager, University of Southern California; actor and director, Little Theatre, Los Angeles; teacher and director of dramatics, secondary schools, California.

JEFFERS, EDMUND V., M.Mus. ASSOCIATE PROFESSOR OF MUSIC

B.M.Ed., Illinois Wesleyan University, Bloomington; M.Mus., Bush Conservatory, Chicago. Studied voice with Theodore Harrison and composition with Jeanne Boyd; studied choral technic and interpretation with Father Finn. (On leave of absence 1939-40.)

JENKINS, HORACE R., M.S. PROFESSOR OF INDUSTRIAL ARTS

Graduate, Central State Teachers College, Oklahoma, four-year Classical Course and three-year Art and Shop Course; additional study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University; B.S., M.S., Oregon Agricultural College. Assistant in Art, Oklahoma State Teachers College; practical experience in the trades and industries; experience as owner and manager of a commercial pottery shop.

JOHNSON, ADELLA, M.A.

ASSOCIATE PROFESSOR OF MODERN LANGUAGES

A.B., University of Minnesota; M.A., University of Washington; additional graduate study, University of Washington, Stanford University, Columbia University, University of Minnesota, University of Paris, France. Travel in Europe with Intercollegiate French School. Teaching Fellow in French, University of Washington; Instructor in French and Latin, State Teachers College, Spearfish, South Dakota.

KINSMAN, GEORGE DANA, M.Mus.

ASSOCIATE PROFESSOR OF MUSIC

B.Mus. and M.Mus., Illinois Wesleyan University; additional work in Musicology at the Horace H. Rackam School of Graduate Studies at the University of Michigan. Music Instructor, City Schools, Towanda and Anchor, Illinois; Director Choir, Community Center; five seasons professional music work; radio broadcasting, Bloomington and Peoria, Illinois; Memphis, Tenn.; Minneapolis, Minn.

LANPHERE, WILLIAM M., Ph.D.

ASSOCIATE PROFESSOR OF BIOLOGICAL SCIENCE

B.S., M.S., and Ph.D., University of Washington. Teaching Fellow and Associate in Biological Science, University of Washington; Instructor, Western Washington College of Education.

LITTLE, STELLA SANKEY, M.A.

PROFESSOR OF ART

A.B., Stanford University; graduate study, Stanford University, University of California; study of masterpieces in art in various art galleries of Europe; M.A., and Fine Arts Supervision Certificate, Columbia University; Summer Session, Eugene, and Post Session, Alaska, University of Oregon; Summer Session, University of Oregon. Summer faculty in Art, San Jose State Teachers College; Instructor in Art, Stanford University.

MACGINITIE, HARRY D., Ph.D.

ASSOCIATE PROFESSOR OF PHYSICAL SCIENCE

A.B., Fresno State Teachers College; Ph.D., University of California. Research worker, American Museum, and Lecturer, University of Colorado. Author: "The Trout Creek Flora of Southeastern Oregon."

McKITTRICK, MYRTLE M., A.B.

REGISTRAR AND PLACEMENT SECRETARY

A.B., Willamette University; graduate study, University of Washington. Principal, Wallowa High School, Wallowa, Oregon; Principal, Boistfort Union High School, Klaber, Washington; Secretary, Arcata Union High School.

PLATT, IMOGENE B., A.B.

ASSISTANT PROFESSOR OF ENGLISH

A.B., University of Washington; graduate study, University of Washington, Stanford University. Registrar, Humboldt State Teachers College.

SCHUSSMAN, LEO GEORGE, M.A.

PROFESSOR OF EDUCATION AND PSYCHOLOGY

Graduate of Oshkosh Normal School; Ph.B., University of Chicago; M.A., University of Wisconsin; additional graduate study, Stanford University, University of Wisconsin. Elementary and high school teacher; Elementary school principal; Superintendent of Schools; Principal, Outagamie County Normal School, Wisconsin; Director of Summer Session, Humboldt State Teachers College, 1925; Summer Session Faculty, Fresno State Teachers College; Whitewater State Teachers College, Whitewater, Wisconsin.

TELONICHER, FRED, A.B.

ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

A.B., Fresno State Teachers College; Graduate study, Stanford University; European travel.

TOLLE, VERNON O., Ed.D.

PROFESSOR OF EDUCATION

M.A., University of New Mexico; Ed.D., University of California. Teacher in rural, elementary, and high schools; high school and elementary school principal; Superintendent of Schools; Executive Secretary, New Mexico Educational Association.

WALTER, ELLEN J., B.S.

ASSOCIATE PROFESSOR OF HOME ECONOMICS

B.S., Oregon State College; graduate work, University of Oregon, University of California, and Oregon State College. Experience as high school instructor and director of cafeteria.

WILSON, BERT F., M.A.

PROFESSOR OF COMMERCE

M. Accts., B.S., B.D., Western Normal College (Iowa); M.A., Stanford University; graduate study, Universities of California and Washington. Principal, Shenandoah Commercial Institute, Shenandoah, Iowa; ten years an Iowa banker.

WILSON, GARFF BELL, M.A.

MEN'S ADVISER AND ASSOCIATE PROFESSOR OF SPEECH

A.B., M.A., University of California; additional graduate study, Cornell University; travel and study in Europe; member of International Speaking Tour of the English Universities, 1930; student and actor at the Pasadena Community Playhouse, summers of 1934, 1935, 1936. Private class in Public Speaking and Dramatics, Los Angeles; Teaching Fellow, Department of English, University of California; Production Manager, Greek Theater Plays, University of California; Summer Session Faculty, San Diego State College. (On leave of absence 1939-40.)

WOODCOCK, JESSIE TURNER

FINANCIAL SECRETARY

Graduate Humboldt State Teachers College. Postal Clerk; book-keeper.

Part-Time Instructors

DALE, DOROTHY LUCILLE, M.Mus. INSTRUCTOR IN INSTRUMENTS

B.M., College of the Pacific; M.Mus., Eastman School of Music; advanced study on violin. Played violin and bassoon in various orchestras. Teacher of Instrumental Music in Fortuna High School.

JACKSON, ROWENA FAYE

INSTRUCTOR IN PIANO

Studied piano and harmony with Katherine A. Rood and Hans Bruening; studied pipe-organ, piano and composition with Dr. Clarence E. Shepard; graduate Grafton Hall School of Music. Graduate

teacher in normal methods in piano and harmony, Carrol College; for ten years assistant to Dr. Clarence Shepard at Grafton Hall with classes accredited at University of Wisconsin in piano, harmony, history of music and music analysis; teacher of private classes in piano, pipe-organ harmony; accredited high school teacher of piano in California.

LANPHERE, HORTENSE M., M.S. LECTURER IN BIOLOGICAL SCIENCE

B.S., M.S., University of Washington. Teaching Fellow in Zoology, University of Washington.

LEONARD, FREDERICK R., M.A.

LECTURER IN EDUCATION

A.B., Park College, Missouri; M.A., University of Missouri; additional graduate study, Stanford University. Assistant in Chemistry, Park College; Principal, Carl Junction High School, Missouri; Superintendent of Schools, Amity and Braymer, Missouri; Rural Supervisor of Schools, Mendocino County.

TAYLOR, JOHN W., A.B.

LECTURER IN EDUCATION

A.B., University of California; graduate work, Stanford University. Assistant Instructor in Public Speaking, Stanford University; County Superintendent of Schools, Mendocino County.

VAN DUZER, JOHN, A.B.

INSTRUCTOR IN MUSIC AND DRAMA

A.B., Humboldt State College; Diploma in Piano, College of the Pacific; study at Eastman School of Music, Rochester, N. Y., two years; study in stage design at Eastman Theater, Rochester, N. Y.; graduate study, Stanford University.

Teachers In College Elementary School

CLUXTON, HENRY T., M.A.

KOCH, ESTELLE P., A.B.

McKAY, ELEANOR, A.B.

WILLIAMS, DOROTHY E., A.B.

FACULTY COMMITTEES—1939-40**Advanced Standing**

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Mrs. McKittrick
Miss Platt

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President Gist
President Student Body
Mr. Kinsman

Catalog

Dr. Fisher, Chr.
Mrs. Folsom
Dr. Lanphere
Mrs. McKittrick
Miss Platt
Dr. Tolle

Curriculum

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Dr. Balabanis
Mr. Hicklin
Dr. MacGinitie
Mr. Schussman

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President Gist
Miss Johnson

Placement

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Miss Bestor
Miss Dickson
President Gist
Mrs. McKittrick

Recreation and Social Life

(Faculty)
Mrs. Walter, Chr.
Miss Bestor
Mrs. Little
Dr. MacGinitie
Mrs. Woodcock

Registration

President Gist
Mrs. McKittrick
Miss Platt
Mrs. Woodcock

Scholarship

Dr. Balabanis
Miss Dickson
President Gist
Miss Johnson
Mrs. McKittrick
Miss Platt

Student Affairs

Dr. Balabanis
Mrs. Hadley
Two Students

Student Employment

President Gist
Mr. Garff Wilson
Mrs. Hadley
Mrs. Woodcock

Student Loans

Mr. Arnold
Mr. Bert Wilson
Mr. Garff Wilson
Mrs. Woodcock

THE COLLEGE

HISTORICAL NOTE

The Humboldt State Normal School was created by an Act of the 1913 session of the Legislature of California. Actual work began on April 6, 1914. Under an agreement between the Arcata City Board of Education and the normal school authorities the first sessions were held in the Arcata Grammar School.

A magnificent site of fifty-one acres was donated to the school by W. A. Preston and the Union Water Company. The officers of the latter were N. H. Falk, Len Yocum, Mrs. Arthur Way, and Mrs. Kate Harpst. The 1917 Legislature appropriated \$245,000 for permanent buildings which have been occupied since February, 1922. In 1930 a new gymnasium was added and recently four new modern tennis courts and a new College Elementary School have been built.

The professional course in teacher training was originally two years in length. Gradually it has been extended and combined with liberal arts and cultural subjects until the minimum time to be spent for any teacher's diploma granted at present is four years.

Control of the institution was first vested in a board of local trustees appointed by the Governor. In 1921 it was transferred to the State Department of Education and placed in the hands of the Director of Education and the State Board of Education. The same Legislature changed all of the California Normal Schools to Teachers Colleges. The State Board of Education received the power to authorize them to give four-year courses leading to the Bachelor of Arts degree.

In 1935 the Legislature changed the name to Humboldt State College with authorization to grant the Bachelor of Arts Degree in Letters and Science.

The enrollment has shown a substantial increase, the present enrollment being over 500.

LOCATION

The College is located in the city of Arcata on the north shore of Humboldt Bay. It occupies a dominating position

on the top of a hill within twelve blocks of the Plaza, the center of the city. Backed by still higher forested hills, it commands an almost unrestricted view in three directions. Toward the north, and to the ocean, one looks across the Arcata bottom lands, a rich dairying district, bordered with partly wooded sand dunes. To the west and south, the city of Arcata lies in the foreground, with a stretch of farming land and marsh-land beyond. Beautiful Humboldt Bay comes next in line of vision, separated by a narrow peninsula from the ocean. The city of Samoa on the farther end of the peninsula and Eureka on the opposite side of the bay are in plain sight. The wooded hills beyond are dominated by the high point of Wild Cat Ridge, a rough mountain range separating the valley of the Eel River from the ocean. There is a never-ending variety to this view in the rapidly changing atmospheric conditions. At night-time, with the lights of Arcata in the foreground and those of Samoa and Eureka twinkling in the distance, the picture is especially entrancing.

The cities of Arcata and Eureka are delightful places of residence. Arcata has a population of approximately three thousand and possesses several thriving churches, excellent schools, a free library, a natural park, and a very attractive plaza, a first-class hotel, a fine theater, well-furnished stores—in fact, all that goes to make up a modern up-to-date city. Cape Mendocino, a few miles south of Eureka, is the westernmost point of the mainland of California, and Humboldt has the distinction of being the farthest-west college in the United States.

LIVING ARRANGEMENTS

Living arrangements for all students must be approved by the College administration. A list of approved rooms is provided by the Financial Secretary.

All lower division women students whose homes are outside of Arcata and Eureka are expected to live at Sunset Hall, the dormitory, unless special arrangements have been made with the Dean of Women by the parents. It is advisable for upper division women also to reside at Sunset Hall. A few men students are housed in a separate unit of the dormitory.

Sunset Hall is in charge of the Head Resident under the direction of the President. A most wholesome family spirit prevails. This hall is provided with a pleasant living room which is the center for many pleasant social gatherings.

Improvements each year are making the dormitory more comfortable and more attractive.

Rooms at Sunset Hall are rented for the semester at the rate of \$5.50 a month when two occupy the same room. Single rooms are rented at \$11 a month. Students furnish all bedding and linen, including mattress protector and towels. Rooms are rented for the entire semester. Any student who finds it necessary to leave the dormitory during the semester should first consult the Head Resident and then submit two weeks' notice to the Financial Secretary.

It is important that the College have correct local addresses for all students. These addresses are kept in the office of the Secretary of the President and also in the office of the Registrar.

The College Commons is under the supervision of a trained director. Meals are served at cost.

PHYSICAL EQUIPMENT

Campus

There is an extensive lawn, planted with shrubs and small trees, along the whole front of the administration building. Directly across the street from the administration building are four new modern tennis courts for the use of students and faculty. In the rear is an athletic field adjoining the new \$70,000 gymnasium. Back of that, the College owns a considerable piece of second-growth redwood forest, which is being developed by means of trails and clearings into an attractive recreation area.

Library

The library is located in a suite of rooms on the south side of the inner court. The book collections are arranged on open shelves around the walls of this room and at present contain more than fifteen thousand volumes. The collection is well distributed among the various classes of books, with provision for a liberal amount of cultural reading.

To supplement its own collection, the library has an arrangement with the California State Library by which books are borrowed from that institution. The library at present has in its magazine collection about one hundred and fifty titles, about half of which are scientific or technical and the others of a general nature.

College Elementary School

Student teaching is conducted in the College Elementary School on the campus and also in the city schools through the cooperation of the Arcata and Eureka school authorities.

The new College Elementary School building houses a kindergarten and an elementary school. It is a commodious building of steel and concrete. In its construction no pains have been spared to make it sanitary, fireproof, and in every possible way an ideal building for a completely graded training school from the kindergarten through the eighth grade. Adjoining the building are large play fields with playground equipment.

STUDENT LIFE

STUDENT ORGANIZATIONS

Student Body Government

When a student enters the College, the authorities take it for granted that he has an earnest purpose, studious habits, and is willing to observe a proper standard of personal conduct.

In order to further such aims and to promote wholesome activities, the students are organized into a self-governing body called the Student Service Association.

Through the vested authority of self-government with its attendant responsibility, the students of the College are enabled to gain the practical appreciation of governmental authority as vested in the people, and also the civic understanding which can not help but make them better citizens and community leaders after they leave college to take their place in life. The faculty retains the authority and oversight over certain matters such as Student Body finances and external relations necessitated by sound administrative jurisdiction and general responsibility as provided by law and the best interests of the students.

Board of Control of Student Body

The Board of Control is the student government agency consisting of six members elected every semester by the Student Body, and charged with the responsibility of maintaining high standards of conduct in the College.

Executive Committee of Student Body

The Executive Committee consists of the President, Vice-President, Secretary, Treasurer, and Publicity Manager of the Student Body, the members of the Board of Control, and the President of the College or a faculty sponsor appointed by the President. The duties of this committee are to have charge of school elections, to adjust budgets, to pass on all bills and to see that they are paid, to authorize purchases, to take an inventory of all Student Body property at the end of the school

year, to set the amount of dues, and to look after all Student Body affairs not specifically covered by the Constitution and By-laws.

Honor, Special Interest, and Recreational Societies

To assist in developing good habits and thus inculcating the spirit of self-control and self-initiative, the students under the sponsorship of the faculty have established several honor and recreational organizations. Most of these organizations are coordinated through the Student Service Association. Following is a list of such organizations:

- Alpha Psi Omega (National Dramatics Fraternity)—Sponsor, Mr. Hoppe
- Chi Sigma Epsilon (The Scholastic Honor Society)—Sponsor, Miss Johnson
- Dramatic Workshop—Sponsor, Mr. Hoppe
- Humboldt Science Club—Sponsor; Dr. Lanphere
- Humboldt Tap Club—Sponsor, Mrs. Hadley
- Kindergarten-Primary Club—Sponsor, Miss Bestor
- Lambda Theta Chi (Men's Social Fraternity)—Sponsor, Mr. Hoppe
- Men's Association—Sponsor, Mr. Hart
- Musical Organizations—Sponsor, Mr. Kinsman
- Pi Alpha Pi (for Social Science Majors)—Sponsor, Vice-President Balabanis
- Rousers (Sophomore Honor Society)—Sponsor, Miss Johnson
- Student Service Association—Sponsor, Vice-President Balabanis
- Student Teachers' Club—Sponsors, College Elementary School Staff
- Women's Athletic Association—Sponsor, Mrs. Hadley
- Women's Hospitality Committee—Sponsor, Mrs. Hadley
- Y. M. C. A. and Y. W. C. A.—Sponsor, Dr. Tolle

STUDENT CO-OP

For the convenience of the students, a bookstore is maintained, where college textbooks and supplies may be secured at cost. This bookstore is under the management of the Student Body.

ATHLETICS AND RECREATION

Believing that certain mixed activities promote desirable social relationships between men and women, the College has developed a program of mixed intramural sports in volleyball, tennis, archery, badminton, and golf.

All students participating in athletics are required to pass a satisfactory health examination each season.

Men's Athletics

Men students play a regular schedule of games in football, basketball, tennis, and baseball with colleges and other organizations in California and Oregon. Such intercollegiate competition supplements intramural and interclass competition in which practically all the men students take part.

Recreation

The constantly shifting hills of sand which form dunes along the ocean shore extend from North Jetty of the harbor entrance of Humboldt Bay to the mouth of Little River. North of Little River the coastline becomes very rugged and the numerous caves, points, and reefs invite personal exploration. The lighthouse at Trinidad Head and the Blowhole, three miles south of Trinidad, are always interesting places to visit.

An hour's drive northward along the Redwood Highway brings the student to Big Lagoon, a salt-water lake. This lagoon, protected from the strong breakers, forms a safe swimming and boating resort.

A pool on Mad River, a few minutes drive from the campus, is very popular on warm afternoons. Swimming can also be enjoyed at many pools along the Eel River south of Eureka.

Near Arcata are several public and private golf courses where special inducements are made to students.

There are several riding academies where rates for horses are made to students.

North Dyerville Flat includes within its borders the tallest tree within the United States. This giant redwood towers some 364 feet above the ground. There are other groves of redwoods along the river which are delightful spots for outings.

SOCIAL LIFE

The social life of the College is sponsored by the different student body organizations and by the faculty.

A small college offers to each student many opportunities for friendships and social activities. Among these are monthly, and occasional noon-hour, dances. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. Informal functions are frequently held for and by the students who reside in Sunset Hall and houses off the campus.

In the spring the members of Chi Sigma Epsilon sponsor a tea honoring all students of the College who have made outstanding scholastic records during the preceding semester.

Seniors are entertained in the spring at a tea given by President and Mrs. Gist. Women members of the graduating class are entertained by the Faculty Women's Club during the last month of school.

In order that the students may, early in their college careers, become better acquainted with President and Mrs. Gist and with each other, every freshman is entertained sometime during the year by President and Mrs. Gist. These functions are generally held in the President's home.

The Women's Hospitality Committee sponsors the Freshman Round-Up early in the fall semester and a Mother's Day Luncheon in the spring. Its members assist as hostesses at social functions when visiting schools are being entertained.

COUNSELING AGENCIES

The College has a definite program of counseling and guidance for entering freshmen. Special counseling will be given individually to the freshmen at the time of registration and periodically during the year by the President and faculty advisers.

Sponsors from upper classmen are assigned to assist new students in becoming acquainted with members of the Student Body and various details of college life.

A faculty member is appointed as adviser for the class.

STUDENT HONORS

Honors are awarded to students whose scholarship is exceptional. Honors are awarded by students, by faculty, by individuals, and by civic organizations.

Honors Conferred by Faculty

Graduation Honors are awarded to students at Commencement upon the vote of the faculty. These honors are based on the scholastic index as follows:

Index 2.00—With Honor

Index 2.35—With High Honor

Index 2.75—With Highest Honor

Semester Honors are awarded to all regular students who carry a load of twelve or more units during one semester and make a scholastic index of 2.00 with no *F's* or *Incompletes* on their records.

The President's Cup

To stimulate student teaching and as a recognition of meritorious service, the President's Cup has been provided. The student doing the highest type of teaching in the College Elementary School each semester has his name engraved upon this cup.

The details of awarding this honor are administered by the faculty of the College Elementary School.

Phi Beta Kappa Medal

Phi Beta Kappa faculty members give a medal to the student making the highest scholastic average during the year.

Honors Conferred by Students

Chi Sigma Epsilon

Chi Sigma Epsilon, the upper division honor society, elects members twice during each college year. Members are selected on the basis of high scholastic attainments, qualities of leadership, and high ideals of character. Chi Sigma Epsilon Pledging Day honors the students elected to membership.

Rousers

A lower division honor society composed of eight members is selected each spring from the freshman class by active members of Chi Sigma Epsilon. The basis for election to the Rousers is the same as for election to Chi Sigma Epsilon.

Chi Sigma Epsilon Medal

The Chi Sigma Epsilon medal is awarded each spring to the freshman student who, in the opinion of the active members of the Chi Sigma Epsilon, is outstanding in the group selected as Rousers.

COMMUNITY RELATIONS

PLACEMENT SERVICE

A Placement Bureau is maintained to perform a double service: to help Humboldt graduates, both those newly graduating and those teaching in the field, obtain the best positions for which they are prepared; and to recommend to school officials our best candidates when requests are received to fill teaching positions. The bureau collects data touching on the general moral character and sense of responsibility of the student, his success in his college classes and in student teaching, his college citizenship and leadership in student body activities.

Students desiring positions as teachers will find it to their advantage to work through the Placement Bureau. Such students should register with the Placement Bureau early in their senior year.

COMMUNITY SERVICE

Since the College is a state institution its facilities when not being specifically used for college purposes are open for the use of the citizens of the state. It will particularly welcome conventions, conferences, or assemblies of an educational or cultural nature. The auditorium will seat four hundred.

EXTENSION COURSES

Extension courses will be conducted at the College evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI

The Alumni Association has among its aims the assistance of the College in its administrative problems and the guidance and the counsel of recent graduates.

The following are the officers for the current year: President, Dennis B. Willis; vice-president, Leslie Stromberg; secretary, Alyce Finne; treasurer, Hugh B. Stewart; editor of *Humboldt Alumnus*, Alvin Burns; assistant editor, Ward Tinker.

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's or quarter's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students, but such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of his major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State College authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are evaluated credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our presecondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The University of California Graduate Division finds that it is rarely, if ever, possible for a graduate with the A.B. degree from any institution to receive the high school credential and also the master's degree in one year.

ENGLISH A

An examination in English fundamentals, known as the "English A" examination, is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in "English A" in some other college are required to take this examination; those who fail will be enrolled in the non-credit course in "English A." Fee of ten cents charged to cover cost of materials.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test, notice for which will be given early in the semester.

REGISTRATION

In order to have plenty of time to discuss with each student his special needs and to insure guidance by those qualified, whenever possible the College registers each student several weeks in advance under a faculty adviser who is especially qualified to confer with students regarding their course of study.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the term.

Students will meet at the College on the appointed days to complete formal registration and to pay all fees. Students registering after the appointed date are required to pay a late registration fee of \$1. Students registering late must make special arrangements with the administration and the faculty concerned.

Changes in registration made subsequent to the regular day of registration must be approved by the faculty adviser and the faculty members concerned.

FEES, EXPENSES, AND AIDS

FEES

General

(Required of all students taking six or more semester units)

Regular semester registration fee_____	\$6 50
Student Body fee per semester_____	5 00
Student-annual fee (first semester only)_____	2 50
Physical Education fee per semester_____	1 50
Health fee per semester_____	0 75
Hospitalization fee per semester_____	0 25

Special

Registration fee for students taking less than six semester units (per unit)_____	\$2 50
Extension fee per unit_____	5 00
Out of state tuition fee (first semester)_____	75 00
(Subsequent semesters)_____	37 50
Late registration fee_____	1 00
Diploma fee at graduation_____	2 50
State credential fee_____	3 00
Appointment Service fee (for five sets of recommendations) _____	1 00
(Additional sets, each)_____	0 20
Additional transcripts, each_____	1 00
Special Examinations—(mid-term)_____	0 50
Final _____	1 00

Summer Session

Summer Session registration fee (six weeks)_____	20 00
Summer Session lecture and recreation fund_____	0 50
Health and Physical Education fee_____	0 50

Refunds

State Fees

Regulations formulated by the state.

“Fees shall only be returnable when the student has been refused admission to classes after registration or when through unavoidable circumstances, the student is unable to commence

college work. In the latter case the student desiring return of a fee shall make application in writing giving his or her reasons for withdrawal. The return of any fee must be recommended by the College President or his designated representative and only after consideration of the individual case upon its merits.

“Before returning fees, each state college shall submit a list of these fees recommended to be returnable to students, together with a brief explanation, to the Director of Education for his authorization and the approval of the Director of Finance.”

Application for refund of state fees must be made at the time of withdrawal.

Student Body Fees

These fees are not refunded if a student has participated in any student body activity.

Course Fees

As course fees are not collected until the end of the sixth week, when the student has completed all of his possible changes in registration, there will be no refund of such fees.

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are often available for needy and deserving students. The college employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. Application for employment should be made to the Financial Secretary before registration.

SCHOLARSHIPS AND AWARDS

Conferred by College Organizations

English Award

President and Mrs. Gist have provided an annual award of \$10 to be given to the student who shows special ability in the field of written expression. The details of selecting the student for the award are in the hands of the English Department.

Faculty Women's Gift Award

The Faculty Women's Club of the College makes an award to one or more of the graduating women, presentation being made at the close of the academic year. The selection is based on considerations of scholarship, character, and the extent to which the student has been self-supporting during her college career. The amount, as well as the frequency of such gifts, will be determined by the funds available and the records of senior women.

Chi Sigma Epsilon Scholarship

This scholarship, which covers general student fees for the freshman year, is donated by Chi Sigma Epsilon. It is awarded to a high school graduate of either Humboldt County or Del Norte County, on the basis of scholarship, character, and participation in student activities.

Men's Association Scholarship

The Men's Association of the College grants two scholarships to men graduates of the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic ability. The scholarships consist of tuition paid for the fall semester of the freshman year.

Conferred by Civic Organizations**Arcata Kiwanis Club Award**

The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

Associated Business Girls' Award

The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata Union High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

Business and Professional Women's Scholarship

The Business and Professional Women's Club of Eureka maintains a scholarship loan fund from which loans are made to women selected by the club.

Ferndale Junior Women's Club Scholarship

The Ferndale Junior Women's Club has raised a sum to award scholarships to worthy students to assist with fees and books.

South Fork P. T. A. Scholarship

The South Fork Union High School P. T. A. awards a scholarship sufficient for books and fees to an outstanding, deserving graduate of that school.

Music Scholarships

The Humboldt County Federation of Women's clubs awards four \$50 scholarships in music each year. These awards provide a year's private lessons at the college in voice, piano, violin, and 'cello.

The Sequoia Music Club has set aside a sum sufficient to make at least two awards a year on the loan basis in the field of music.

LOAN FUNDS**General Student Loan Fund**

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Men's Adviser, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration. Rarely are loans made to new students.

The Rotary Club of Arcata has a loan fund available for worthy students upon recommendation of President Gist.

GENERAL REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation per week for eighteen weeks with two hours of preparation for each recitation. It may be administered as three recitations per week for eighteen weeks without outside preparation.

MARKING SYSTEM

Grades

A five-point marking system is used, A, B, C, or D, indicating a passing grade, and F meaning failure. Plus (+) as given in certain courses, means "passed" without definite grade except in physical education, where it means C or better. Inc., means incomplete; W., withdrawn.

Of the passing grades D may be interpreted as "passing work"; C, "good work"; B, "excellent work"; A, "superior work."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not to be given to students who are failing or who are dilatory.

Incompletes must be made up within the next year of residence, or they automatically become Failures.

Honor Points

The passing grades carry the following honor points: A, 3 honor points per semester unit; B, 2 points per unit; C, 1 point per unit; D, no honor points; +, 1 point per unit; F, —1 point per unit.

SCHOLARSHIP REGULATIONS

Graduation Requirements

The degree of Bachelor of Arts is granted upon completion of a curriculum approved by the college; 124 semester units,

including 24 semester units completed in residence, are minimum requirements.

A general scholarship average of "C" is required for graduation from any degree curriculum of the College.

In the case of students transferring to the college from other institutions the scholarship average at the previous institution will be included with the average made at this college.

Fundamentals

All students in the teacher-training courses are required to show an everyday working knowledge of the fundamental subjects in the elementary curriculum—English, grammar, arithmetic, history, geography, and spelling. Necessity for doing work in fundamentals will be evidenced by illegible writing, misspelled words, poor sentence structure in written work in any of the college courses, and by standardized tests and measurements which will be given during the sophomore or junior year to all candidates for student teaching.

Students whose skill in the fundamentals is not satisfactory must bring their work up to standard before they will be permitted to enroll for student teaching. This may be done by independent study or by enrolling in the fundamentals course which gives a thorough review of the required subject matter.

A second examination in the fundamentals may be given to all students before graduation.

REPORTS TO STUDENTS

At the end of the semester reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having special difficulties in certain subjects are periodically interviewed by the President.

PROBATION AND DISQUALIFICATION

Students whose scholarship is low are subject to probation. Scholarship average during the probationary semester must be satisfactory. Each case is considered individually upon its merits.

Students whose scholarship average for any semester falls below a "D" average are subject to disqualification. Students whose personal conduct is unsatisfactory may be disqualified by faculty action at any time.

Disqualified students may apply to the faculty for re-admission after a semester has passed. This application must be accompanied by evidence of serious desire to do better work.

WITHDRAWAL AND LEAVE OF ABSENCE

A student in residence dropping a course with official approval during the first six weeks of any semester will not have that course reported or charged against his record for that semester.

During the second six weeks of any semester, a student in residence may be permitted to drop a course without prejudice to his record in case this is done with the approval of his adviser, such approval to be based presumably upon considerations of health, outside work, or other matters for which the student is not held culpable. Otherwise, the dropping of a course during this interval will be recorded as a Failure.

During the final six weeks of any semester, the dropping of a course by a student in residence will result in a record of Failure or Incomplete, depending upon whether the work has been of passing grade up to the time of withdrawal.

Upon petition, an honorable dismissal or an indefinite leave-of-absence may be granted to any student in good standing, provided arrangements have been made with the faculty adviser and the Registrar. Students withdrawing from college with official sanction during the first twelve weeks of any semester shall be given "W's." Those who withdraw during the last six weeks of any semester shall be given "W's" or "F's" depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college near the end of any semester, should ask for a leave of absence instead of a withdrawal if they expect to make up their work and receive credit.

Students who neglect to comply with these regulations shall be reported as Failures.

Students who discontinue their work without formal petition for leave-of-absence do so at the risk of incurring failing marks in their subjects and at the risk of having their registration privileges curtailed or entirely withdrawn.

REMOVAL OF INCOMPLETES

Incompletes must be made up within the next year of residence, or they automatically become Failures.

STUDENT PROGRAMS**Normal Program**

Fifteen or sixteen units of work in addition to a half unit activity in physical education constitute an average program for a semester. According to the definition of semester unit given above this means forty-eight hours of actual work each week.

Variation from the normal program may be permitted by the student's adviser, such permission to be based on the demonstrated ability of the student, measured in terms of his "index of scholarship." The following chart is used as the basis for granting petitions for programs which vary from the normal program

<i>Index of scholarship</i>	<i>Student load for following semester</i>
1.75 and above-----	18½ units
1.25-1.74-----	17½ units

The adviser secures a health statement from the Health Department for all students who apply for more than 16½ units of work.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

A student registered for six or more units is classified as a regular student.

Index of Scholarship

The Scholarship Index is the honor-point average and gives the average scholarship of the student. It is derived by dividing the total number of honor points earned by the total number of registered units.

PHYSICAL EDUCATION

Every student carrying 12 or more units is required to take physical education unless excused by the Director of Health and Physical Education.

ORIENTATION

An orientation course, meeting every other week, is required of all freshman students. This course provides an opportunity for analysis and discussion of college problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, and matriculation in other institutions, and also for planning and conducting group activities for recreation and self-improvement.

CLASSIFICATION OF STUDENTS

Students having less than 30 semester units of credit are classified as freshmen. Those having from 30 to 59 semester units are classified as sophomores; those having from 60 to 89 units are classified as juniors; and those having 90 or more are classified as seniors.

EXTENSION CREDIT

Extension work taken in other institutions is allowed only up to 10 per cent of the total course requirement.

CANDIDACY FOR GRADUATION

Students should notify the Recorder of their candidacy for graduation not later than the beginning of the senior year. This notification makes it possible for the student's record to be checked and for the student to be notified if current programs do not fulfill graduation requirements. Failure to make proper application may cause a delay in graduation.

CLASS ATTENDANCE AND DEPORTMENT

A student will be permitted to enter upon the study of any subject only when the instructor in charge is satisfied that the student is competent to undertake it. Any member of the faculty may exclude from his course any student who has neglected the work of the course or has been discourteous, or persists in practices annoying to the instructor or the class.

The college believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should secure the approval of the President's secretary.

Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of the students the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At least three medical examinations are given each student, as follows:

- (1) At entrance (including a dental examination).
- (2) During the junior year.
- (3) Before graduation.

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is being provided at special rates.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities conducted by the Humboldt State College is subject to regulation by the department concerned and the administration.

DEGREES, CREDENTIALS, AND CURRICULA

GENERAL STATEMENT

The College is authorized to grant two degrees, the Bachelor of Arts and the Bachelor of Education. The A.B. degree is granted in two forms: (1) a non-professional liberal arts degree; (2) a professional degree in conjunction with the California teaching credentials up to the junior high school grade or certain special credentials. The College is not authorized to issue the General Secondary Credential, although it does give a four-year under-graduate curriculum in certain fields, preparatory to that credential. It also issues two administrative credentials of elementary grade to individuals already holding a teaching credential.

In addition to the foregoing degree and credential curricula the College offers a variety of lower division curricula. It gives both a one-year and a two-year commercial course, leading to a diploma; and by various groupings of lower division courses it can prepare students for transfer to the upper division of any of several vocational curricula.

The various curricula offered by the College are classified as follows:

I. Curricula leading to credentials

A. A.B. degree with

- General Elementary Credential
- General Junior High School Credential
- Kindergarten-Primary Credential
- Special Secondary Credential in Physical Education
- Combinations of the foregoing credentials

B. Administrative credentials

- Elementary School Executive
- Elementary School Principal or Supervisor

C. Pre-Secondary with A.B. degree in

Allied Arts	English
Biological Sciences	Social Sciences

II. Other curricula leading to a degree

- A. A.B. degree in liberal arts, with a major in
 - Allied Arts
 - Biological Sciences English
 - Economics and Business Social Sciences

- B. B.E. degree (For teachers not holding an A.B. degree)

III. Lower division curricula

Terminal

- Commercial Education
 - One-year
 - Two-year
- Laboratory technician

Pre-Vocational (first two years)

- Agriculture
 - Agricultural Economics
 - Animal Science
 - Plant Science

Commerce (contemplates transferring to the College of Commerce at the University of California.

- Dentistry
- Engineering
- Forestry
- Home Economics
- Law
- Liberal arts
- Medicine
- Musie
- Nursing
- Pharmacy

DETAILED DESCRIPTION**General Requirements for the Bachelor of Arts Degree**

Of the two degrees which the College is authorized to grant, the A.B. degree in its two forms is by far the most commonly awarded. To receive this degree, whether in connection with

a California teaching credential or as a non-professional liberal arts degree, the student must meet certain basic requirements set up by the State Board of Education and the College. They are the following:

Units. A minimum of 124 units are necessary for graduation with the A.B. degree. Of these 40 units must be selected from upper division courses. Not more than 40 units taken in education or any one department may be counted towards fulfillment of the total number of units for graduation.

Residence. At least 24 of the 124 or more units for graduation must be completed at this college in residence.

Subjects. All candidates for the degree must take:

Social Science, 14 units. Nearly all of the four-year curricula requirements stipulate that the 14 units be taken in the lower division.

Biological and physical sciences, 14 units. Twelve of these units must be taken in the lower division, with the provision that the number may be reduced by substituting equivalent work in high school at the discretion of the department. Usually all 14 units are taken in the lower division.

English, 6 units in the lower division.

Psychology, 3 units in the lower division.

Physical education, 2 units in the lower division.

American government, 2 units. Political Science 151 meets this requirement.

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A major is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the junior high school credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 40) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is

possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Biological Science	Allied Arts	Allied Arts
English	Biological Science	Biological Science
Physical Education	Economics and	English
Social Science	Business	Social Science
	English	
	Social Science	

A minor is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	Home Economics	Physical Education
Biological Science	Industrial Education	Social Science or
Botany or Zoology	Mathematics	History or
Commerce	Music	Economics
English	Choral or	Speech
French	Instrumental	

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

I. CURRICULA LEADING TO CREDENTIALS

One of the primary functions of the College is the training of teachers. To that end it offers three types of curricula leading to the following California teaching credentials: (A) general credentials from kindergarten to junior high school grade and special secondary credential in physical education, (B) elementary administrative credentials, and (C) undergraduate work preparatory to a general secondary credential.

A. A.B. DEGREE WITH A CREDENTIAL

Credentials granted. In connection with this curricula group the College customarily grants the General Elementary Credential, the combined General Elementary-Junior High School Credential, the General Elementary-Kindergarten-Primary Credential, and the Special Secondary Credential in Physical Education, either alone or in combination with one of the others. In rare cases the College grants the Junior High School Credential by itself to individuals who intend to continue study at a future date towards a General Secondary Credential. Because the Kindergarten-Primary Credential by itself is not practical in this part of the state, the College has chosen to grant it only in conjunction with the General Elementary Credential.

Units required. For the A.B. degree with one credential 124 units are required. For each additional credential 12 additional units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in non-professional fields only.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is reduced to 12 units completed at this College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Required courses. The courses required for the several credentials are listed, in the order of recommended sequence, in the accompanying table.

Candidates for the General Elementary Credential, the combined General Elementary and Kindergarten-Primary Credential, and the Special Credential in Physical Education must

complete, in addition to the professional major in education, minors in each of two fields selected from the list on p. 42. The Special Physical Education Credential either alone or in combination with another credential requires a minor in Biological Science. The Junior High School Credential, alone or in combination, requires, in addition to the professional major in education, one teaching major and one minor, selected from the lists on p. 42.

Scholarship. Candidates for any of the credentials granted by the college must not only maintain the general scholarship average of "C" required for graduation with the A.B. degree, but must have maintained that "C" average prior to taking Education 310 (Teaching I) and to beginning their student teaching (Education 320, 321, 322, 323). Before being permitted to undertake their student teaching, candidates, in addition, must have given evidence of (a) an adequate knowledge of the fundamentals (see p. 34); (b) the personal qualities desirable in a teacher, and (c) physical fitness. Moreover, in their student teaching candidates are required to do work of at least a "C" grade; otherwise they will receive an "Incomplete" at the end of the first semester and be allowed a second semester's trial (but no more) for a grade of "C" in student teaching.

Education 133 (Curriculum Activities) and Education 310 must be taken in the same semester, since what is learned in the former is put into practice in the latter. It is highly desirable, too, that student teaching be taken in the semester immediately following.

For graduation with a General Junior High School Credential a scholarship average of "C" is required in the candidate's teaching major and minor, in addition to the general scholarship average of "C."

Student teaching. Student teaching offers one of the most profitable experiences open to a student while in college. Through his teaching he learns to adapt himself to all types of personalities at the various school grade levels.

Before beginning this important piece of work, the students will have been approved by the President and Dean of Women as being young people who possess those traits of personality essential to the prospective teacher and who have satisfactorily met the various college requirements (i.e., scholarship average

of "C," health examination, aptitude test, fundamentals, etc.).

In so far as circumstances permit, the theory courses are conducted on a laboratory basis, being closely connected with the activities of the College Elementary School. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. These courses serve the beginning teacher in many ways:

1. To induct the student gradually into teaching and thus increase his chances for success and decrease possible discouragement.
2. To direct the student's attention in a systematic manner to classroom conditions and activities.
3. To make it possible for the student to see and help carry on correct procedure from the first.
4. To make it possible for the student to see lessons taught by strong, resourceful teachers. The lessons observed serve as models to imitate, and a means for setting up standards of good teaching.
5. To provide the student with opportunities to learn to know children.
6. To help the student become acquainted with the books and materials of the classroom.
7. To help the student become skillful in using correct procedures.
8. To give the student a view of the entire school curriculum.
9. To help develop a professional attitude and establish ideals of service among students.

In the senior year each student teaches under guidance a grade three hours daily. He teaches in an upper grade for a nine-weeks' period and again in a lower grade for a nine-weeks' period.

After the student completes his teaching he takes a course in Philosophy of Education. Through this course an attempt is made to help him build up for himself a philosophy of education and thus a philosophy of life.

COURSE REQUIREMENTS FOR A.B. DEGREE WITH TEACHING CREDENTIAL

Sequence Recommended

FRESHMAN YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Eng. A or 1A.....	0 or 3	0 or 3	0 or 3	0 or 3
Biol. 10A.....	3	3	3	3
Hist. 4A.....	3	3	3	3
P.E. 2.....	2	2	2	2
P.E. 5 or 15.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Orientation.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Elective.....	3	3	3	3
Totals.....	15	15	15	15

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Eng. 1A or 1B.....	3	3	3	3
Biol. 10B.....	3	3	3	5
Physiol. 1.....				3
Hist. 4B.....	3	3	3	
Mus. 1.....	3	3	3	
Art 1.....				2
P.E.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Spch. 1A.....				3
Elective.....	3	3	3	
Totals.....	$15\frac{1}{2}$	$15\frac{1}{2}$	$15\frac{1}{2}$	17

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Eng. 1B or Elective.....	3	3	3	3
Geol. 1A.....	*3	*3	*3	*3
Econ. 1A.....	3	3	3	3
Art 1.....	2	2	2	-----
Mus. 1.....	-----	-----	-----	3
P. E. 80 (W.).....	-----	-----	-----	1
P.E. 26A.....	-----	-----	-----	$\frac{1}{2}$
P.E.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Elect. or Minor.....	4	4 (or Major)	4	2 or 3
Totals.....	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16-17

*Not required if minoring or majoring in Biological Science; but recommended as an elective.

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Phys. 10.....	3	3	3	3
Econ. 1B.....	3	3	3	3
Psych. 1.....	3	3	3	3
Spch. 1A.....	3	3	3	-----
Geog. 2.....	-----	-----	-----	2
P.E.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Elect. or Minor.....	3	3 (or Major)	3	3
Mus. Exam.....	-----	-----	See Advisor	-----
Totals.....	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Ind. Ed.....	-----	2 or 3	2 or 3	-----
Elect. or Minor.....	-----	4 or 3	4 or 3	-----
Totals.....	-----	6	6	-----

JUNIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Ed. 100.....	3	3	3	
Ed. 110.....	3	3	3	3
Ed. 111.....			3	
Ind. Ed. 15 or 51.....	3	3		
Math. 20.....	2	2	2	
Geog. 2.....	2	2	2	
P.E. 190B.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Ed. 192.....			3	
P.E. 175.....				3
P.E. 192A.....				2
P.E. 176.....				2
Elect. or Minor.....	3	3 (or Major)		6
Totals.....	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Ed. 111.....	3	3		
Ed. 133.....	3	3	3	
Ed. 100.....				3
Ed. 310.....	2	2	2	
Art 190.....	2	2	2	
Mus. 190.....	2	2	2	
P.E. 199.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Ed. 193.....			2	
Ed. 194.....			2	
Ed. 195.....			2	
P.E. 192B.....				2
P.E.....				$\frac{1}{2}$
Elect. and Minor.....	3	3 (or Major)		9
Totals.....	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Elect. or Minor.....		6 (or Major)	6	
Totals.....		6	6	

SENIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen.Elem. and Gen.Jr.H.S.	Gen.Elem. and Kinder.-Prim.	Special P.E.
Ed. 320.....	8	8	8	
Biology 149.....	2	2	2	
Ed. 322.....				2
Pol. Sci. 151.....				2
P.E. 151.....				4
P.E.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Elect. or Minor.....	4	4	4	6
Totals.....	$14\frac{1}{2}$	$14\frac{1}{2}$	$14\frac{1}{2}$	$14\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen.Elem. and Gen.Jr.H.S.	Gen.Elem. and Kinder.-Prim.	Special P.E.
Ed. 124.....	3	3	3	3
Ed. 137.....	2		2	
Pol. Sci. 151.....	2	2	2	
Ed. 172.....		2		
Ed. 321.....			6	
Ed. 111.....				3
Ed. 323.....				2 or 4
P.E. 198.....				2
P.E.....	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Elect. or Minor.....	8	5	2	3
Major.....		3		
Totals.....	$15\frac{1}{2}$	$15\frac{1}{2}$	$15\frac{1}{2}$	$13\frac{1}{2}$ - $15\frac{1}{2}$
Grand totals.....	124	136	136	124-126

In those rare cases when a student is permitted to work for the Junior High School Credential alone, he will follow the same course as outlined in the combined General Elementary-Junior High School Credential, less 12 elective units.

If the Special Physical Education Credential in combination with either the General Elementary or General Elementary-Junior High School Credential is desired, the requirements peculiar to the Special Physical Education Credential are added to the requirements common to it and its companion credential, the total units required for the combined credentials being 136.

B. ADMINISTRATION CREDENTIALS

Credentials granted. The college grants two administration credentials: (1) for elementary school executive serving as principal directly under a board of education; (2) for elementary school principal or supervisor serving under a superintendent of schools.

General Requirements

An applicant for the administration credential must submit:

- A. Certificate from a physician licensed to practice medicine and surgery that the applicant is physically and mentally fit to engage in school service.
- B. Verification of a general teaching credential, certificate, or life diploma.
- C. Verification of two years of thoroughly successful teaching experience.
- D. Possession of a valid general elementary credential.
- E. Submission of a recommendation from the school or department of education of a university or college approved by the State Board of Education for offering training and recommending for the General Elementary Credential.

Additional Requirements: Elementary School Executive

Completion of twenty-four semester hours of work beyond all requirements for the General Elementary Credential in courses completed concurrently with or subsequent to teaching experience including the following:

1. Professional Courses :

a. Required Courses—12 units (fulfilling state regulations) :

- (1) Educ. 140 A-B, School Administration and Supervision, including field work—4 units.
- (2) Educ. 139, The Elementary School Curriculum—2 units.
- (3) Educ. 144, State and County School Administration, including some legal phases of education in California—2 units.
- (4) Educ. 115, Educational Tests and Measurements—2 units.
- (5) Educ. 152, Visual Education—2 units.

b. Elective Courses: (To be selected only by students who have already completed some of the above required courses.)

- (1) Educ. 124, Philosophy of Education—2 units.
- (2) Educ. 110, Education Psychology—3 units.
- (3) Educ. 111, Growth and Development—2 units.
- (4) Educ. 120, Counseling and Guidance—2 units.
- (5) Educ. 102, History of American Education—2 units.
- (6) Educ. 152, Educational Sociology—2 units.
- (7) Educ. 180, Seminar in Educational Problems—2 units.

2. Non-professional Courses :

Twelve units selected from courses in Social Science, Psychology, and Education, with emphasis on Philosophy of Education.

Additional Requirements: Elementary School Principal or Supervisor

Completion of eighteen semester hours of work beyond all requirements for the General Elementary Credential in courses completed concurrently with or subsequent to teaching experience, including the following :

1. Professional Courses :

a. Required Courses—10 units (fulfilling State regulations) :

- (1) Educ. 140 A-B, School Administration and Supervision, including field work—4 units.

- (2) Educ. 139, The Elementary School Curriculum—2 units.
- (3) Educ. 115, Educational Tests and Measurements—2 units
- (4) Educ. 152, Visual Education—2 units.

b. Elective Courses: (To be selected only by students who have already completed some of the above required courses.)

- (1) Educ. 124, Philosophy of Education—2 units.
- (2) Educ. 110, Educational Psychology—3 units.
- (3) Educ. 111, Growth and Development—2 units.
- (4) Educ. 120, Counseling and Guidance—2 units.
- (5) Educ. 102, History of American Education—2 units.
- (6) Educ. 152, Educational Sociology—2 units.
- (7) Educ. 180, Seminar in Educational Problems—2 units.

2. Non-Professional Courses:

Eight units selected from courses in Social Science, Psychology, and Education, with emphasis on Philosophy of Education.

C. PRE-SECONDARY

Four-Year Curriculum with A.B. Degree

The pre-secondary curricula are intended for those students who wish to obtain a General Secondary Credential. The College is not authorized to grant the General Secondary Credential; but it can provide, in several of the fields taught in high school, a four-year liberal arts course with the A.B. degree which is prerequisite to the Secondary Credential. The professional courses for the Credential must be taken in institutions authorized to give them. The pre-secondary A.B. degree may be obtained at this college in these fields:

Allied Arts

English

Biological Science

Social Science

Requirements. The requirements for the pre-secondary A.B. degree are the same as the requirements for the liberal

arts A.B. degree in the same four fields listed above, with these three differences:

(1) The major and one of the two minors must be completed in subjects or subject fields usually taught in high schools.

(2) At least 6 units in professional education courses must be taken.

(3) Fifteen units of foreign languages are required in *all* pre-secondary curricula.

The student is cautioned to ascertain the particular requirements of the institution to which he intends to transfer to obtain his General Secondary Credential, for requirements vary somewhat among colleges and universities.

Two-Year Lower Division Curricula

The College can provide the first two years of work in a few high school fields other than the four listed under the four-year curricula, such work being preparatory to completing the requirements for the A.B. degree and General Secondary Credential at other institutions.

Lower division pre-secondary courses may be taken in Commercial Education, Home Economics, and Music.

Requirements. No specific requirements can in this case be set forth. The College only recommends the courses listed in the diagrams which follow, knowing that they are the kind of lower division courses basic to their respective fields. The student is therefore strongly advised to consult the specific requirements of the college or university to which he intends to transfer and plan his course at this college accordingly.

COMMERCIAL EDUCATION

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Com. 1A (Shrthd. I)-----	5	Com. 1B (Shrthd. II)-----	5
Com. 2A (Typing I)-----	3	Com. 2B (Typing II)-----	3
Eng. 1A (Composition)-----	3	Com. 21 (Bus. Math.)-----	3
P. E. 2 (Hygiene)-----	2	Eng. 1B (Comp.-Lit.)-----	3
Science-----	3	Science-----	3
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
Orientation-----	$\frac{1}{2}$		
	17		17 $\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Com. 14A (Accounting)-----	3	Com. 14B (Accounting)-----	3
Com. 5 (Bus. Mach.)-----	2	Econ. 1B (Principles)-----	3
Econ. 1A (Principles)-----	3	Geog. 2 (Cult.-Region.)-----	2
Geog. 1 (Introduction)-----	3	Speech 1 (Public Speaking)---	3
Psych. 1 (General)-----	3	Science or Mathematics-----	3
Science or Mathematics-----	3	Pol. Sci. 151 (Am. Govt.)----	2
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
	17 $\frac{1}{2}$		16 $\frac{1}{2}$

The student may have to fulfill certain other specific requirements in the lower division, depending upon the curriculum requirements of the institution to which he transfers for the completion of his work. Otherwise the above curriculum is reasonably complete.

HOME ECONOMICS

FRESHMAN YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
English 1A-----	3	English 1B-----	3
History 4A-----	3	History 4B-----	3
Chemistry 1A-----	5	Chemistry 1B-----	5
Hostess Training and Food Selection-----	2	Food Selection and Adv. Hostess Training-----	3
Art Structure-----	2	Hygiene-----	2
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
	15 $\frac{1}{2}$		16 $\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>		<i>Second Semester</i>	
	Units		Units
Economics 1A-----	3	Economics 1B-----	3
Chemistry 8-----	3	General Psychology-----	3
Biological Science-----	4	Clothing Construction-----	3
Costume and Personality----	2	Household Administration or Child Care and Training--	2
Home Planning and Furnish.	3	Electives-----	5
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
	15 $\frac{1}{2}$		16 $\frac{1}{2}$

MUSIC

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
History 4A -----	3	History 4B -----	3
Science -----	4	Science -----	4
Harmony A -----	3	Harmony B -----	3
Music 3A -----	3	Music 3B -----	3
Applied Music -----	1	Applied Music -----	1
Music Activities -----	$\frac{1}{2}$	Beginning Instruments -----	2
Orientation -----	$\frac{1}{2}$	Music Activities -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
	15 $\frac{1}{2}$		17

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
English 1A -----	3	Speech 1A -----	3
Physics 2A -----	3	Physics 2B -----	3
Harmony C -----	3	Harmony D -----	3
Beginning Instruments -----	2	Music 109 -----	2
Music 2 -----	2	Applied Music -----	2
Psychology 1 -----	3	Beginning Instruments -----	2
Music Activities -----	$\frac{1}{2}$	Music Activities -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
	17		16

II. OTHER CURRICULA LEADING TO A DEGREE

A. A.B. Degree in Liberal Arts

The college offers work in several fields leading to a liberal arts A.B. degree. The purpose of this degree is primarily cultural, as it gives a broad background in the humanities and sciences. The degree is not, however, without value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The liberal arts A.B. degree may be taken in these fields:

Allied Arts

Economics and Business

Biological Science

Social Science

English

Requirements for the A.B. Degree in Allied Arts

LOWER DIVISION

Art	Units
1 (Art Structure) -----	2
3 (Art Appreciation) -----	3
4 (Graphic Design) -----	2 or 3
	*
Biological and Physical Sciences	
Year course in laboratory science -----	6 or 8
Additional science -----	8 or 6
	14**
English	
1A-1B (Composition and Literature) -----	6
Foreign languages (in not more than two languages) -----	15
(Each year of high school work will be counted in satisfaction of 3 units of this requirement.)	
Home Economics	
21 (Clothing Construction) -----	3
25 (Costume and Personality) -----	2
53A (Food Selection and Hostess Training) -----	2
53B (Food Selection and Advanced Hostess Training) -----	3
	*
Industrial Education	
5 (Pottery) -----	2
7A (Mechanical Drawing) -----	2
12 (Metal Arts) -----	3
20 (Beginning Woodworking for Women) -----	2
or	
52 (Beginning Woodworking for Men) -----	3
	*
Physical Education	
2 (Hygiene) -----	2
Activities (one-half unit each semester) -----	2
	4
Psychology	
1 (General Psychology) -----	3

*The number of lower division units to be taken in the three branches of Allied Arts is to be determined in conference with the faculty adviser. The total number must, however, be no less than twelve.

The candidate must complete a *minor in each of two fields*, to be selected from the list of minors on p. 42. Advanced credit from other institutions in fields other than the ones therein mentioned will be accepted toward this requirement.

**Two of the 14 units required in the Biological and Physical Sciences may be taken in the upper division. Part of the remaining 12 units, which must be lower division, may be reduced by substituting equivalent high school work in science and replaced with an elective.

Social Sciences	Units
History 4A-4B (Western Civilization)-----	6
Additional Social Sciences-----	8
	14

UPPER DIVISION

Allied Arts: a minimum of 12 units chosen from the following:

Art 102 (Applied Design)-----	3
Art 105A (Lettering and Design A)-----	3
Art 105B (Lettering and Design B)-----	3
Home Economics 112 (Child Care and Training)-----	2
Home Economics 121 (Advanced Clothing)-----	3
Home Economics 122 (Household Administration)-----	2
Home Economics 130 (Home Planning and Furnishing)-----	3
Industrial Educ. 101 (Adv. Woodworking)-----	2 or 3
Industrial Educ. 103 (House Design)-----	2 or 3
Industrial Educ. 105 (Adv. Pottery)-----	2
Industrial Educ. 126 (Adv. Cabinet and Wood Construction for Women)-----	2
Industrial Educ. 127 (Adv. Metal Arts)-----	2 or 3
Industrial Educ. 130 (Architectural Drafting and Design)-----	2

Physical Education

Activities (one-half unit each semester)-----	2
---	---

Political Science

151 (American Government)-----	2
--------------------------------	---

Electives (in sufficient number to bring the total to 124 units.)

REQUIREMENTS FOR A.B. DEGREE IN BIOLOGICAL SCIENCE

LOWER DIVISION

Biological Science

Bot. 1A-1B (General Botany)-----	8
Zool. 1A-1B (General Zoology)-----	8
Three units chosen from the group below:	
Bacteriology 1, Botany 4, Geology 1A, Paleontology 1, Physiology 1-----	3
	19

English

1A-1B (Composition and Literature)-----	6
---	---

Foreign Languages

(in not more than two languages)-----	15
(Each year of high school foreign language will be counted in satisfaction of three units of this requirement.)	

	Units
Physical Education	
2 (Hygiene) -----	2
Activities (one-half unit each semester) -----	2
	4
Psychology	
1 (General Psychology) -----	3
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Physical Science	
Chem. 1A (General Chemistry) -----	5
Chem. 8 (Organic Chemistry) -----	3
Physics 10 (Intro. to Modern Physics) -----	3
	11
Social Science	
Econ. 1A-1B (Principles) -----	6
Electives -----	8
	14

UPPER DIVISION

Political Science 151 (American Govt.) -----	2
Biological Science	
Biol. 114 (Genetics) -----	3
Zool. 112 (Invert. Zoology) <i>or</i>	
Biol. 101 (Marine Biology) <i>or</i>	
Bot. 110A (Forest Botany) -----	3
Zool. 113 (Gen. Vert. Zoology) <i>or</i>	
Bot. 110B (Angiosperms) -----	3
	9
At least 12 units chosen from either Group A or Group B, below	
Group A. Emphasis on Botany	
Botany 104 (Ornamental Plants) -----	3
Botany 105 (Plant Anatomy) -----	3
Botany 107 (Plant Ecology) -----	3
Botany 101-102 (Mycology) -----	6
Group B. Emphasis on Zoology	
Zoology 106 (Comparative Anatomy) -----	3
Zoology 111 (Parasitology) -----	3
Zoology 121 (Entomology) -----	3
Zoology 160 (Embryology) -----	3

Minors must be completed in two fields selected from the list on page 42.

REQUIREMENTS FOR THE A.B. DEGREE IN ECONOMICS AND BUSINESS

LOWER DIVISION

	Units
Biological and Physical Science	
Year course in a laboratory science-----	6 or 8
Additional science -----	8 or 6
	*14
Commerce	
14A-14B (Accounting) -----	6
40 (Business Law) -----	3
	9
English	
1A-1B (Composition and Literature) -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences	
Econ. 1A-1B (Principles) -----	6
Hist. 4A-4B (Western Civilization) -----	6
Elec. (Geography 2 recommended) -----	2
	14
Electives -----	14 or 16
	62 or 64

UPPER DIVISION

Commerce	
130 (Business Law II) -----	3
134 (Marketing) -----	3
	6
Economics	
113 (Economic History of U. S.) -----	3
120 (Business Organization) -----	3
134 (Business Finance) -----	3
135 (Money and Banking) -----	3
150 (Labor) or 151 (Econ. Security) -----	3
195 (International Trade) -----	3
	18

* Two of the fourteen units required in the Biological and Physical Sciences may be taken in the upper division. Part of the remaining twelve units, which must be lower division, may be reduced by substituting equivalent high school work in science and replaced with an elective.

Physical Education	Units
Activities (one-half unit each semester) -----	2
Political Science	
151 (American Government) -----	2
Electives (lower division courses may be taken) -----	32 or 34
	60 or 62
Total -----	124

The candidate must complete a minor in each of two fields to be selected from the list of minors on page 42. Advanced credit from other institutions in fields other than the ones therein mentioned will be accepted towards this requirement.

REQUIREMENTS FOR A.B. DEGREE IN ENGLISH

LOWER DIVISION

English	Units
1A-1B (Composition and Literature) -----	6
56A-56B (Survey of Eng. Literature) -----	6
	12
Foreign Languages	
(In not more than two languages) -----	15
(Each year of high school foreign language will be counted in satisfaction of three units of this requirement.)	
Philosophy	
Year course -----	6
Physical Education	
Hygiene -----	2
Activities (one-half unit each semester) -----	2
	4
Psychology	
1. (General Psychology) -----	3
Science, Biological and Physical	
Year course in Laboratory Science -----	6 or 8
Additional Science -----	8 or 6
	14
Social Science	
Hist. 4A-4B (Western Civilization) -----	6
Additional Social Science -----	8
	14

UPPER DIVISION

English	Units
117 (Shakespeare) -----	3
151 (Chaucer) -----	3
Additional upper division English -----	18
	24
Physical Education	
Activities (one-half unit each semester) -----	2

Political Science

151 (American Government) -----	2
---------------------------------	---

The candidate must complete a *minor in each of two fields*, to be selected from the list of minors on p. 42.

REQUIREMENTS FOR A.B. DEGREE IN SOCIAL SCIENCE

LOWER DIVISION

English	
1A-1B (Composition and Literature) -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Science, Biological and Physical	
Year Course in Laboratory Science -----	6 or 8
Additional Science -----	8 or 6
	14

Social Science

Hist. 4A-4B (Western Civilization) -----	6
Econ. 1A-1B (Principles) -----	6
Elective -----	2 or 3
	14 or 15

UPPER DIVISION

Physical Education	
Activities (one-half unit each semester) -----	2
Social Science	
Upper Division History -----	9
Upper Division Economics -----	9
Additional Social Science -----	6
	24
Political Science	
151. (American Government) -----	2

The candidate must complete a *minor in each of two fields*, to be selected from the list of minors on p. 42. Advanced credit from other institutions in fields other than the ones therein mentioned will be accepted towards this requirement.

B. BACHELOR OF EDUCATION DEGREE

This degree is designed for successful teachers who would find difficulty in meeting all the regulations for the A.B. degree but who wish to have a modern professional bachelor's degree. This degree carries with it no credential and does not provide the basic preparation for a master's degree.

The following classes of teachers are eligible for candidacy for the Bachelor of Education degree:

1. Graduates of the two-year, two-and-a-half year, or three-year curricula of the California state colleges when these institutions were normal schools or teachers colleges, who have had five or more years of successful teaching experience.

NOTE.—Graduates of the three-year curricula are advised to work toward the Bachelor of Arts degree, but in case such graduates elect to take the Bachelor of Education degree, the requirements may be satisfied by completing at least eighteen semester hours of college work in addition to equivalent credit that may be allowed for other experiences or activities.

2. Holders of California life diplomas or those who have taught five or more years in the public schools of California.

Required Program

The degree will be granted upon the successful completion of 124 semester hours of college or university work or the equivalent. Of this total requirement at least 106 semester hours of work shall be completed in regular campus classes, extension classes, or in correspondence courses under college or university direction; and not to exceed eighteen semester hours of credit may be allowed for experiences and activities that can be evaluated as equivalent to regular academic work.

Equated semester hours not exceeding eighteen may be allowed for professional activities involving successful teaching experience, travel study, published writings, specific contributions to the extra-curricular and professional life of the school community, participation in the activities of professional and other organizations, leadership in community recreational life, active participation in the administrative activities of the school system, such as committee work of all

kinds, and experimental classroom work utilizing new methods and procedures. Experiences of this type, may be evaluated in terms of professional service units, each such unit to be counted as equivalent to a semester hour of credit.

Residence Requirements

1. Twenty-four semester hours of college credit earned in California state colleges will be accepted as satisfying residence requirements, provided that at least half of these must have been earned subsequent to June 1, 1934, in Humboldt State College.

2. Not more than six semester hours of credit may be earned in extension classes. (See note regarding graduates of the three-year curricula.)

Effective Dates

The operation of this curriculum will not extend beyond February 1, 1947. All applications for candidacy must be filed, and at least six semester hours of work completed, before February 1, 1942. All the requirements must be completed and the degree conferred prior to February 1, 1947.

Inventory of Training and Experience

Each teacher who desires to become a candidate for the Bachelor of Education degree shall file with the college an inventory of training and experience. Blanks for this purpose may be secured from the College.

Fields of Study

Each candidate for the Bachelor of Education degree must include in the last sixty semester hours of credit earned a minimum of six semester hours in each of three of the following six fields of knowledge: professional courses; social science; natural science; psychology and philosophy; fine arts and literature; physical education, hygiene, and recreation.

At least twenty-four semester units must be taken in upper division courses.

III. LOWER DIVISION CURRICULA

By making use of the basic lower division courses in the subject fields taught at this College, the College can offer a number of lower division curricula, the upper division continuance of which it is not equipped to provide. Such curricula are usually pre-professional or technical in character. The College also offers a few terminal pre-vocational courses. More particularly, the curricula described below are designed for three groups of students:

(1) Students who plan to obtain later an A.B. degree in the college of liberal arts or letters and science in another college or university and who wish to do the two years of lower division work at Humboldt. *These students should register for the courses which will meet the requirements of upper division work in the college where they plan to get their degree.*

(2) Students who plan to obtain a degree in a college of applied science or in a professional school and wish to do some of their lower division work at Humboldt. *Such students should write to or confer with the dean of the school or college concerned to learn which of the lower division courses offered here will be accepted in preparation for their chosen special field.*

(3) Special students enrolled for particular courses only.

These curricula are described here under two headings. Those called "Pre-Vocational" refer particularly to the needs of students in groups (1) and (2). Those called "Terminal" refer to the needs of students in group (3).

A. TERMINAL COMMERCIAL EDUCATION

One-Year Course

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Com. 1A (Shorthand I) -----	5	Com. 1B (Shorthand II) -----	5
Com. 14A (Accounting) -----	3	Com. 21 (Bus. Math.) -----	3
Com. 41A (Bus. Eng.) -----	3	Com. 41B (Bus. Eng.) -----	3
Com. 2A (Typing I) or Com. 2B (Typing II) -----	3 or 2	Com. 2B (Typing II) or Com. 2C (Typing III) -----	2
Com. 4 (Spelling) -----	1	Com. 5 (Bus. Machines) -----	2
Elective (optional) -----	1	Elective -----	1
Orientation -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$		
	16-17		16 $\frac{1}{2}$

Two-Year Course FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Com. 1A (Shorthand I) -----	5	Com. 1B (Shorthand II) -----	5
Com. 41A (Bus. Eng.) -----	3	Com. 21 (Bus. Math.) -----	3
Com. 2A (Typing I) or Com. 2B (Typing II) -----	3 or 2	Com. 41B (Bus. Eng.) -----	3
Com. 5 (Bus. Machines) -----	2	Com. 2B (Typing II) or Com. 2C (Typing III) -----	2
Com. 4 (Spelling) -----	1	Com. 40 (Bus. Law) or Com. 50 (Salesmanship) -----	3 or 2
Elective (optional) -----	1	Elective (optional) -----	1
Orientation -----	$\frac{1}{2}$	Physical Education -----	$\frac{1}{2}$
Physical Education -----	$\frac{1}{2}$		
	15-16		16 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
Com. 69 (Sec. Train.) -----	3	Com. 1D (Shorthand IV) ---	5
Com. 14A (Accounting) -----	3	Com. 71 (Transcription) -----	3
Com. 1C (Shorthand III) -----	5	Com. 14B (Accounting) -----	3
Com. 2C (Typing III) or Com. 2D (Typing IV) -----	2	Com. 2D (Typing IV) or Elective -----	2
Spch. 1A (Pub. Speak.) -----	3	Com. 50 (Salesmanship) or Com. 40 (Bus. Law) -----	2 or 3
Physical Education -----	$\frac{1}{2}$	Elective (optional) -----	1
		Physical Education -----	$\frac{1}{2}$
	16 $\frac{1}{2}$		
			16 $\frac{1}{2}$ -17 $\frac{1}{2}$

LABORATORY TECHNICIAN

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Zoology 1A-1B -----	4	4
Physical Education 2 -----		2
Elective -----	3	2
Orientation -----	$\frac{1}{2}$	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16</u>	<u>16$\frac{1}{2}$</u>

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Commerce 14A-14B -----	3	3
Commerce 2A -----	3	
Physiology 1 -----		5
Bacteriology 1 -----	4	
Anatomy 66 -----		3
*Elective -----	3	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

* Biology 103 (Micro-technique) is recommended for the second semester.

B. PRE-VOCATIONAL

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University. To aid the student in planning his course, the requirements for the Junior Certificate, which the University grants upon completion of the lower division work, together with the courses offered at Humboldt in satisfaction of these requirements are given here:

- (a) English A.
- (b) *Foreign languages.* At least 15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units towards this requirement.)
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of *three* of the following groups:
 - (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy

AGRICULTURE**Recommended Sequences****AGRICULTURAL ECONOMICS****FRESHMAN YEAR**

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Philosophy 6A-6B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
General Psychology -----		3
Accounting -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PLANT SCIENCE**FRESHMAN YEAR**

Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

ANIMAL SCIENCE
FRESHMAN YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

COMMERCE

This curriculum is planned to meet the lower division requirements of the College of Commerce at the University of California at Berkeley, which grants a B.S. degree in Commerce upon completion of a four-year curriculum. The lower division requirements in terms of the courses offered at Humboldt are:

(a) English A.

(b) *Foreign languages.*

This requirement may be satisfied by (1) passing the Subject B examination in some acceptable language (French, German, Spanish, Italian, Greek, Latin, Russian, Chinese, Japanese), or (2) offering 12 units in one foreign language. (Each year of high school work in the language offered is counted in satisfaction of 3 units of the requirement.)

(c) *Mathematics.*

Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.

(d) *Natural Science*, 9 units.

Bacteriology 1
Botany 1A, 1B
Chemistry 1A, 1B, 8
Geology 1A

Paleontology 1
Physics 1A, 1B, 2A, 2B, 3A, 3B, 10
Physiology 1A
Zoology 1A, 1B

(e) *English or Public Speaking.*

English 1A-1B or Speech 1A-1B, 6 units.

(f) *History or Political Science.*

History 4A-4B or Political Science 1A-1B, 6 units.

(g) *Geography.*

Geography 1 and Geography 2, 3-3 units.

(h) *Economics.*

Economics 1A-1B, 6 units. Economics 40 (Elementary Statistics), 3 units, will have to be taken at the University.

(i) *Recommended elective.*

Commerce 14A-14B (Accounting).

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
French A-B -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4 or 5	3, 4 or 5
Intermediate Algebra (if needed to meet Mathematics requirement) -----	3	
Geography 1 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
French C-D -----	3	3
Science -----		3
Geography 2 -----	3	
Trigonometry (if needed to meet Mathematics requirement) -----	3	
Mathematics of Finance -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

PRE-DENTAL**Recommended Sequence****Two-Year Course****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B } -----	3	3
or -----		
†Year course } -----		
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
American Government -----		2
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the Junior Certificate in the College of Letters and Science of the University of California.

* Required if student did not have a course in Physics in high school.

† Chosen from the Letters and Science list, group (e).

ENGINEERING**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English A -----		
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Mathematics 4A-4B -----	3	3
Economics 1A-1B -----	3	3
Physics 1C-1D -----	3	3
Geology 1A -----	3	
Industrial Education 130 -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

FORESTRY**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A or Geography 1 -----	3	
Botany -----		4
Economics 1A-1B -----	3	3
Electives -----	3	*3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

* Botany 4 is recommended.

HOME ECONOMICS

See Home Economics under Two-Year Pre-Secondary Curricula.

PRE-LEGAL

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French A-B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15½-17½	15½-17½

SOPHOMORE YEAR

French C-D -----	3	3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15½ or 16½	15½

LIBERAL ARTS

See Junior Certificate requirements at the beginning of this section.

PRE-MEDICAL**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French A-B -----	3	3
History 4A-4B -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French C-D -----	3	3
Year Course from group (e) -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

PRE-NURSING**Recommended Sequence****One-Year Course****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A -----	5	
Anatomy 66 -----		3
Bacteriology 1 -----	4	
Zoology 1A -----	4	
Physiology 1 -----		5
Psychology 1 -----		3
Physical Education 2 -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

Two-Year Course

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A -----	5	
Physiology 1 -----		5
History 4A-4B -----	3	3
Foreign Language -----	3	3
Hygiene -----		2
Elective -----	2	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	4	
Anatomy 66 -----		3
Zoology 1A -----	4	
General Psychology -----		3
Economics 1A-1B -----	3	3
Philosophy 6A-6B -----	3	3
American Government -----		2
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

PRE-PHARMACY

Recommended Sequence

FRESHMAN YEAR

English A—Examination or Course -----		
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		*6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

†Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A or Public Speaking 1A.

* Botany 4 is recommended.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and seniors as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open to those students only who have completed a lower division course or courses deemed preparatory by the department concerned; or sometimes they are elementary courses in subjects of such difficulty as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399 inclusive.

Courses designated with a letter only (A, B, C or D) are courses of high school level that are taught in college.

The semester in which a course is taught is shown as follows: (I), first semester; (II), second semester; (Yr.), consecutively through both semesters.

A course designated by a double number (e.g., English 1A-1B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first numbering in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where course is listed separately, e.g., Music 3A, Music 3B, the A part is not prerequisite to the B part.

ART**Minor and Major Requirements**

	Minor	Pre-Sec. and Lib. Arts Majors in Allied Arts
Lower Division-----	6 units L. D. Art including Art 2A-----3 units	12 units L. D. Art, Home Economics, and Industrial Education (See Faculty Advisor for distribution)
Upper Division-----	6 units U. D. Art including Art 105A-----3 units	12 units U. D. Art, Home Economics, and Industrial Education (See Faculty Advisor for distribution)
Total units required--	12 units	24 units

1. ART STRUCTURE (I, II). 2 units

Analysis of structural principles, the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.

Two one-hour periods per week. Fee, \$1.50.

2A. ELEMENTARY CRAFTS A (I). 1, 2, or 3 units

Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft make up the content of this course.

One, two, or three one-hour periods per week. Fee, \$1.75.

2B. ELEMENTARY CRAFTS B (II). 2 units

Puppetry and stagecraft.

Two one-hour periods per week. Fee, \$1.75.

3. ART APPRECIATION. 3 units

A study of the development of art through the early historic periods and schools in architecture, sculpture, painting, and minor arts up to the 20th century.

Three one-hour periods per week. Fee, \$1.

4. GRAPHIC EXPRESSION. 3 units

A study of form and space in proportion and composition expressed with line, value, and color.

Six one-hour periods per week. Fee, \$1.25.

5. DESIGN. 3 units

The organization of line, mass, space, volume, and color into patterns for surface decorations. Prerequisite: Art Structure.

Three one-hour periods per week. Fee, \$1.25.

15. LETTERING AND DESIGN. 3 units

Practice in the technique of lettering and use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm with the study of various types of letters.

Three one-hour periods per week. Fee, \$2.25.

102. APPLIED DESIGN. 3 units

Advanced problems in original design suitable for industrial uses, with application of some to materials. Prerequisite: Art 1 and Art 5.

Three one-hour periods per week. Fee, \$1.

105A. LETTERING AND DESIGN A. 3 units

Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the college.

Three one-hour periods per week. Fee, \$2.25.

105B. LETTERING AND DESIGN B. 3 units

Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of the book. Continuation of poster service for college activities. Prerequisite: Art 15 or Art 105A.

Three one-hour periods per week. Fee, \$1.25.

190. PRACTICUM IN ART. 2 units

Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation, and some participation in teaching. Prerequisite: Art 1.

Two one-hour class periods and two observation periods per week.

Fee, \$1.25.

BIOLOGICAL AND PHYSICAL SCIENCE**Minor and Major Requirements****For Teaching Credentials**

	Minor	Major
Lower Division-----	Biol. 10A-B-----6 units Phys. 10-----3 units Bot. 1A or Zool. 1A-----4 units	Biol. 10A-B-----6 units Year Course-----8 or 9 units (Bot. 1A-B, 8 units; Zool. 1A-B, 8 units; or Zoology 1A-Physiol. 1, 9 units)
Upper Division-----	Bot. 110A-B or Zool. 112-13-----6 units	12 units U. D. Botany or Zoology
Total units required--	19 units	26 or 27 units

Pre-Secondary and Liberal Arts

	Minor		Major
	Botany	Zoology	
Lower Division-----	Bot. 1A-B 8 units	Zool. 1A-B 8 units	Bot. 1A-B-----8 units Zool. 1A-B-----8 units 3 units chosen from the following: Bacteriology 1, Botany 4, Geology 1A, Paleontology 1, or Physiology 1
Upper Division-----	Bot. 110A-B 6 units	Zool. 112-13 6 units	Biol. 114-----3 units Zool. 112 or Biol. 101 or Bot. 110A-----3 units Zool. 113 or Bot. 110B-----3 units At least 12 units chosen from either Group A or B: Group A Bot. 104-----3 units Bot. 105-----3 units Bot. 107-----3 units Bot. 101-2-----6 units Group B Zool. 106-----3 units Zool. 111-----3 units Zool. 121-----3 units Zool. 160-----3 units
Total units-----	14 units		40 units

BACTERIOLOGY**1. GENERAL BACTERIOLOGY (I).****4 units**

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases. Prerequisite, Chemistry 1A.

Two one-hour lecture periods and two three-hour laboratory periods.
 Fee, \$2.00.

BIOLOGY**Lower Division****10A-10B. GENERAL BIOLOGY (Yr.).** 3-3 units

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life. Required for teacher training.

First semester, two one-hour lecture periods and one three-hour laboratory period; second semester, one one-hour lecture period and six hours of laboratory, largely spent in field work.

Fee, \$1.50 per semester.

Upper Division

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

101. MARINE BIOLOGY (Summer). 3 units

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two-hour lectures and one three-hour laboratory period or field trip per week.

Fee, \$1.50.

103. MICRO-TECHNIQUE (II). 2 units

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two three-hour periods per week.

Fee, \$1.00.

114. GENETICS (I). 3 units

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

149. NATURAL SCIENCE IN THE ELEMENTARY SCHOOL (I). 2 units

Objectives, methods and content of the elementary science program.

Two hours lecture per week or equivalent time.

Fee, \$1.00.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

1A-1B. GENERAL BOTANY (Yr.). 4-4 units

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Field trips will be made to points near the college, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lectures and two three-hour laboratory periods.

Fee, \$2.00 each semester.

4. CLASSIFICATION OF FLOWERING PLANTS (II). 3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lectures and one three-hour laboratory period per week.

Fee, \$1.50.

Upper Division

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 1A.

***101. MYCOLOGY (I). 3 units**

Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

One lecture and two three-hour laboratories per week.

Fee, \$1.50.

***102. MYCOLOGY (II). 3 units**

Continuation of course 101. Basidiomycetes and Fungi Imperfecti.

One lecture and two three-hour laboratory periods.

Fee, \$1.50.

* Not given 1939-40.

104. ORNAMENTAL PLANTS (II). 3 units

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods.

Fee, \$1.50.

***105. PLANT ANATOMY (I). 3 units**

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

Fee, \$1.50.

***107. PLANT ECOLOGY (I). 3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of this area to native plants.

Three one-hour periods per week.

***110A. FOREST BOTANY (I). 3 units**

A study of the forest trees and shrubs, including field identification, and a critical study of the characters and habits of gymnosperms.

Two three-hour laboratory periods and three hours field work per week.

Fee, \$1.50.

***110B. ANGIOSPERMS (II). 3 units**

A study of representative orders of flowering plants; their habits and growth, structure, classification, and geographical distribution.

Two three-hour laboratory periods and three hours field work per week.

Fee, \$1.50.

PHYSIOLOGY AND ANATOMY**1. INTRODUCTORY PHYSIOLOGY (II). 5 units**

A general introductory course on human physiology.

Three one-hour lectures and two three-hour laboratory periods per week.

Fee, \$2.50.

66. ELEMENTARY HUMAN ANATOMY (I). 3 units

Demonstration and laboratory study of human dissections, models and prepared microscope slides. Particularly for nurses and physical education majors. Prerequisite, Zoology 1A.

One one-hour lecture and two three-hour laboratory periods.

Fee, \$1.50.

* Not given 1939-40.

ZOOLOGY**Lower Division****1A-1B. GENERAL ZOOLOGY (Yr.).** 4-4 units

First semester: An introduction to the facts and principles of animal biology with special reference to the structure, function, and evolution of animals.

Second semester: Structure and development of chordates, including the study of a mammal.

Two one-hour lectures and two three-hour laboratory periods per week.
Fee, \$2.00 each semester.

Upper Division

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 1A.

106. COMPARATIVE ANATOMY.** 3 units111. PARASITOLOGY.** 3 units**112. INVERTEBRATE ZOOLOGY (I).** 3 units

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

Fee, \$1.50.

***113. VERTEBRATE ZOOLOGY (II).** 3 units

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution and classification. Lectures, field trips and laboratory, with papers on assigned topics.

Two one-hour lectures, and one three-hour laboratory period or field trip per week.

Fee, \$1.50.

121. ENTOMOLOGY.** 3 units160. EMBRYOLOGY.** 3 units

*Not given 1939-40.

PHYSICAL SCIENCES**Chemistry****1A-1B. GENERAL CHEMISTRY (Yr.).** 5-5 units

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure. Prerequisites: At least two years of high school mathematics. High school physics or high school chemistry are strongly recommended as preparatory courses.

Three one-hour lecture periods and two three-hour laboratory periods per week. Fee, \$5 each semester.

8-9. ORGANIC CHEMISTRY (Yr.). 3-3 units

A survey of the carbon compounds with laboratory preparations and illustrations.

Chemistry 8—Three one-hour lecture periods per week.

Chemistry 9—Three three-hour laboratory periods per week.

Prerequisites: Chemistry 1A-1B. Fee, \$5 for Chem. 9.

Geology**1A. GENERAL GEOLOGY (II).** 3 units

A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.

Three one-hour periods per week with field trips. Fee, \$3.

Paleontology**1. GENERAL PALEONTOLOGY (II).** 3 units

The history and principles of the development of life on the earth. History of the development of man and his relation to vertebrate life.

Three one-hour lecture periods.

Physics**1A-1B. PHYSICS (Yr.).** 3-3 units

First semester: The elementary principles of mechanics.

Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.

Prerequisites: Three years of high school mathematics, including trigonometry.

Two one-hour lectures and one three-hour laboratory per week.

Fee, \$2.50 each semester.

2A-2B. GENERAL PHYSICS LECTURE (Yr.). 3-3 units

A general survey of physics for students of the biological sciences. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

3A-3B. GENERAL PHYSICS LABORATORY (Yr.).**1-1 unit**

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity; to accompany the lecture course **2A-2B**.

One three-hour laboratory period per week. Fee, \$2.50 each semester.

10. INTRODUCTION TO MODERN PHYSICS.**3 units**

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour lectures and one one-hour review section per week.

20. ELEMENTARY PHOTOGRAPHY (II).**2 units**

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students. Fee, \$2.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

Major and Minor Requirements

	Minor	Liberal Arts Major in Economics and Business
Lower Division.....	6 units L. D. Commerce including Com. 40.....3 units	Commerce Com. 14A-B.....6 units Com. 40.....3 units Economics.....6 units
Upper Division.....	Com. 130.....3 units Com. 134.....3 units	Commerce Com. 130.....3 units Com. 134.....3 units Economics.....18 units
Total units required..	12 units	39 units

Lower Division

5. BUSINESS MACHINES.

2 units

An intensive study of modern office machinery, including calculators, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.

Two one-hour periods per week. Fee, \$.25.

10. PENMANSHIP.

No credit

A thorough course in practical business penmanship planned to meet the needs of teachers of penmanship. This course will be flexible enough to care for students who fail to meet major department standards.

Three one-hour periods per week.

14A. ACCOUNTING (I).**3 units**

An introduction to the study of accounting. The mechanics of book-keeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Two one-hour class periods and one two-hour laboratory period per week.

14B. ACCOUNTING (II).**3 units**

A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, non-profit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspect of accounting.

Two one-hour periods and one two-hour period per week.

21. BUSINESS MATHEMATICS (II).**3 units**

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. BUSINESS LAW I (II).**3 units**

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. BUSINESS ENGLISH (Yr.).**3-3 units**

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

50. SALESMANSHIP (I).**2 units**

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

Upper Division**130. BUSINESS LAW II (I). 3 units**

Civil Code of California, corporation law, law of personal and real property, carriers, trademarks, copyrights, bailments, and law of bankruptcy.

Textbook, cases, and lectures.

Three one-hour periods per week.

134. MARKETING (I). 3 units

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Three one-hour periods per week.

Secretarial Training**1A. SHORTHAND I (I). 5 units**

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. SHORTHAND II (II). 5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Five one-hour periods per week.

1C. SHORTHAND III (I, II). 5 units

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Five one-hour periods per week.

1D. SHORTHAND IV (II). 5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Five one-hour periods per week.

2A. TYPING I (I, II). 3 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Nine one-hour periods per week.

2B. TYPING II (I, II).**2 or 3 units**

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Six or nine one-hour periods per week.

2C. TYPING III (I, II).**2 units**

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.

Six one-hour periods per week.

2D. TYPING IV (I, II).**2 units**

Advanced drills for accuracy and speed; law office typing; actual secretarial practice, including work with the dictaphone.

Six one-hour periods per week.

3. FILING (II).**2 units**

Practice is given in all the methods of correspondence filing, such as The Triple Check Automatic Index, Varidex Alphabetic, Subject, Numeric, and Geographic. Attention is given to cross-indexing, coding, and follow-up or tickler systems. Strictly up-to-date filing outfits are used.

Two one-hour periods per week.

4. SPELLING (I).**1 unit**

A study of words used in business and industry with special drill on those commonly misspelled.

Two one-hour periods per week.

69. SECRETARIAL TRAINING (II).**3 units**

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances. Prerequisite: Typing I.

Three one-hour periods per week.

70. BUSINESS CONTACT (I).**2 units**

Addresses, special talks, lectures, demonstrations by executives experienced in the subjects covered. Inspection trips. Each student is required to report each week one public lecture given either on or off the campus. Shorthand notes accompany the transcript.

71. SHORTHAND TRANSCRIPTION (I).**3 units**

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Five one-hour periods per week.

EDUCATION AND TEACHER TRAINING

Major Requirements

All Upper Division

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 100.....	3 units	Ed. 133.....	3 units
Ed. 110.....	3 units	Ed. 310.....	2 units
Ed. 124.....	3 units	Ed. 320.....	8 units

Additional requirements for specific credentials are as follows:

General Elementary	General Junior High School	Kindergarten-Primary
Ed. 111..... 3 units		Ed. 111..... 3 units
Ed. 137..... 2 units		Ed. 137..... 2 units
	Ed. 172..... 2 units	
		Ed. 192..... 3 units
		Ed. 193..... 2 units
		Ed. 194..... 2 units
		Ed. 195..... 2 units
		Ed. 321..... 6 units

Total units required

For General Elementary alone.....	27 units
For General Junior High School (rarely given alone).....	24 units
For General Elementary-Junior High School.....	29 units
For General Elementary-Kindergarten-Primary.....	42 units

100. INTRODUCTION TO EDUCATION (I, II). 3 units

This course aims to give prospective teachers at the beginning of their professional training a broad outlook of the American system of education.

Three one-hour periods per week.

110. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (I).

3 units

General Psychology is prerequisite to this course. It involves the study of the learning activity of the individual from both the standpoint of the learner and the teacher. It includes the psychological principles involved in the teaching of subject matter as well as in extra-instructional activities involved under actual teaching conditions and procedures. The psychological values of visual education will also be emphasized.

Three one-hour periods per week.

111. GROWTH AND DEVELOPMENT OF THE CHILD (I, II).**3 units**

A study of the psychological as well as the social development of the child including important aspects of mental hygiene involved in intellectual and emotional growth. The interrelationship of home, school, and community factors in child development is stressed.

A study of health supervision, environment, and methods of instruction as a basis for developing the school health program.

The course requirements include personal study of a child.

Three one-hour periods per week.

**115. INTRODUCTION TO EDUCATIONAL MEASUREMENTS
AND DIAGNOSIS (II).****3 units**

The nature and function of standard educational tests will be considered. Particular attention will be given to educational diagnosis which will enable students to discover and evaluate both strengths and weaknesses of individuals as a basis for effective guidance in remedial measures.

Three one-hour periods per week.

124. PHILOSOPHY OF EDUCATION (I, II).**3 units**

This course is a study of the major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. CURRICULUM ACTIVITIES (I, II).**3 units**

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.

Three one-hour periods per week.

137. RURAL EDUCATION.**2 units**

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Two one-hour periods per week.

172. PRINCIPLES OF JUNIOR HIGH SCHOOL EDUCATION.**2 units**

This course deals with the principles underlying the organization, administration, and curriculum of the junior high school. Particular stress is placed on the peculiar problems involved in teaching adolescent children.

Two one-hour periods per week.

186. PERSONAL AND PROFESSIONAL ADJUSTMENT OF THE TEACHER 2 units

This course is planned primarily for seniors doing their last semester of work. It includes a consideration of the following: legal aspects of teaching, adjustment of the teacher to the social environment, professional ethics, educational organizations, contemporary educational problems, securing a job, professional growth, and hygiene of the teacher.

Two one-hour periods per week.

192. CURRICULUM FOR THE KINDERGARTEN-PRIMARY GRADES. 3 units

A study of the curriculum, materials and teaching techniques in the Kindergarten-Primary grades. Observation of children and lessons taught for demonstration.

Two one-hour periods per week and one one-hour observation.

193. ART IN THE KINDERGARTEN-PRIMARY GRADES. 2 units

Aims, organization and procedures in the teaching of fine and industrial arts in the kindergarten-primary grades.

Two one-hour periods per week.

194. LITERATURE AND STORY TELLING IN THE KINDERGARTEN-PRIMARY GRADES. 2 units

A study of the selection and teaching of literature in the Kindergarten-Primary grades. The principles and practice of story telling in these grades.

Two one-hour periods a week and participation.

195. RHYTHMS AND GAMES IN THE KINDERGARTEN-PRIMARY GRADES. 2 units

Aims, organization and procedures in the teaching of songs, rhythms, rhythm band and games in the Kindergarten-Primary grades.

Two one-hour periods per week and participation.

310. TEACHING I (I, II). 2 units

Teaching I consists of observation, participation, individual and group teaching.

Three one-hour periods per week.

320. TEACHING II (I, II). 8 units

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary or Junior High Credential.

321. KINDERGARTEN-PRIMARY TEACHING (I, II). 6 units

Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary Credential.

322. ELEMENTARY PHYSICAL EDUCATION TEACHING (I, II). 2 units

Students teach physical education daily in grades three to eight in the College Elementary School.

323. SECONDARY PHYSICAL EDUCATION TEACHING (I, II). 2 or 4 units

Students teach physical education daily one or two hours in a local secondary school.

Pre-requisite: Education 322.

330. TEACHING III (I, II). 2 or 3 units

This course provides an opportunity for students of exceptional ability to do advanced teaching which may include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

388. PRINCIPLES AND OBJECTIVES OF SCOUTING AND OTHER TYPES OF BOYS' WORK (I). 2 units

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

389. CAMP FIRE LEADERS' TRAINING COURSE (II). 1 unit

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

Division of Psychology

1. GENERAL PSYCHOLOGY. 3 units

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

107. MENTAL HYGIENE. 2 units

A study of the physical, mental, social and emotional factors underlying mental health.

Two one-hour periods per week.

ENGLISH
Minor and Major Requirements

	Minor	Junior High School Major	Pre.-Sec. and Liberal Arts Major
Lower Division.....	Eng. 1A-B.....6 units Recommended: Eng. 56A-B	Eng. 1A-B.....6 units Eng. 56A-B.....6 units	Eng. 1A-B.....6 units Eng. 56A-B.....6 units
Upper Division.....	6 units U. D. Eng. Recommended: Eng. 106.....3 units Eng. 115.....3 units	12 units U. D. Eng. Recommended: Eng. 106.....3 units Eng. 115.....3 units Eng. 117.....3 units Eng. 130.....3 units	Eng. 117.....3 units Eng. 151.....3 units Additional U. D. English.....18 units
Total units required..	12 units	24 units	36 units

Lower Division

ENGLISH A (I, II).

This course gives drill in the mechanics of composition. It is required of all students who do not pass the entrance test in composition.

Three one-hour periods per week. No college credit.

1A. ENGLISH COMPOSITION (I, II). 3 units

Course offers weekly practice in writing exposition. Outlining, paragraph development, discovery and use of library resources are taught. Prerequisite: Passing grade in English A test or in course in English A.

Three one-hour periods per week.

1B. ENGLISH LITERATURE AND COMPOSITION. (I, II). 3 units

English 1B is a course primarily introductory to the study of literature, although it offers a certain amount of further practice in writing. Prerequisite: English 1A.

Three one-hour periods per week.

30. RECREATIONAL READING 1A (I). 1 unit

Purpose to introduce the student pleasurably to some of the best modern writers. Preliminary talk of fifteen minutes, followed by silent reading—part fiction and part nonfiction. Students required to write appreciation notes for each book read.

Two one-hour periods per week.

50. DIRECTED READING.**1 unit**

A collaboration in literary appreciation. This course is planned as a series of informal weekly group meetings with one objective: the enjoyment of literature. Students' interests will be the basis of reading and discussion; therefore use will be made of the classics, and of recent and contemporary literature.

56A. SURVEY OF ENGLISH LITERATURE (I).**3 units**

The beginning of English literature and the main aspect of its development down to the Restoration (1660) are studied. Pre-requisite: English 1B.

Three one-hour periods per week.

56B. SURVEY OF ENGLISH LITERATURE (II).**3 units**

This course embraces the leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. NEWS WRITING (I, II).**3 units**

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Three one-hour periods per week.

NOTE.—Journalism Minor: If there is sufficient demand, a minor will be offered in Journalism as follows:

<i>Lower Division</i>		<i>Upper Division</i>	
News Writing-----	3 units	Copy Reading-----	3 units
Reporting -----	3 units	Feature Writing-----	3 units

UPPER DIVISION

English 1A and 1B, and 56A and 56B are prerequisites to the following upper division courses for students taking majors or minors in English. In certain cases an upper division student not taking a major or a minor in English may, with the consent of the English department, elect some of the courses without the foregoing requirements.

106. VERSE FORMS (II).**3 units**

A survey of the development of English verse forms, with practice in metrical analysis, and an application of knowledge acquired to modern poetry.

Three one-hour periods per week.

115. THE ENGLISH LANGUAGE (II).**3 units**

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. SHAKESPEARE (II). 3 units

This course includes an intensive study of a few of Shakespeare's plays, and a rapid reading of some others.

Three one-hour periods per week.

130A. AMERICAN LITERATURE (I). 3 units

A brief survey of Colonial and Revolutionary literature is followed by a study of major writers of the nineteenth century to 1870.

Three one-hour periods per week.

The following courses will be offered over a period of two years, if necessary, the needs of the student enrolling determining just what courses will be given.

125C. THE ENGLISH NOVEL TO 1832. 3 units

The course studies the English novel from Richardson through the early nineteenth century. Ten novels will be reported on by students, three studied by class. Prefaced to the survey is a consideration of the forerunners of the novel. The course includes a study of the novel as a literary form, as well as a more minute analysis of the great novels.

Three one-hour periods per week.

151. CHAUCER. 3 units

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. ENGLISH LITERATURE FROM 1557 TO 1660. 3 units**157. ENGLISH LITERATURE FROM 1660 TO 1780.** 3 units**158. ENGLISH LITERATURE FROM 1780 TO 1832.** 3 units**159. ENGLISH LITERATURE FROM 1832 TO 1900.** 3 units**191. CHILDREN'S LITERATURE (I, II).** 3 units

A survey and comprehensive study of the various phases of children's literature for grades one to eight, inclusive. The purpose of the course is to familiarize students with content and types of literature suitable for use in different grades, to develop some personal appreciation of the material, and to give methods of applying it.

Three one-hour periods per week.

Division of Speech and Drama
Minor Requirements

	Minor
Lower Division	6 units Lower Division Speech
Upper Division	6 units Upper Division Speech
Total Units Required	12 units

Lower Division

1A. PUBLIC SPEAKING 1A (I, II). 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. PUBLIC SPEAKING 1B (I). 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice is provided in extemporaneous speaking and debate.

Three one-hour periods per week.

2A-2B. FUNDAMENTALS OF EXPRESSION AND INTERPRETATION (I, II). 3-3 units

This basic course in voice training and in the art of oral expression teaches the fundamental laws of interpretation and the manifestation of these principles through natural expression.

Three one-hour periods per week each semester.

10. THEORY AND TECHNIQUE OF ACTING (II). 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Three one-hour periods per week.

25 and 125. DRAMATIC WORKSHOP H (I, II). 2 units

A laboratory course in acting and in the technical practices of the stage. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance. For advanced students upper division credit will be given. Prerequisite to Speech 125: Speech 1A-B or consent of the instructor.

Three two-hour periods per week. Fee \$.75.

Upper Division**120A. ADVANCED DRAMATICS (I, II). 3 units**

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Three one-hour periods per week.

155A. PLAY PRODUCTION (I). 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. PLAY PRODUCTION (II). 3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

HOME ECONOMICS**Purpose:**

To offer a number of elective courses of general interest to students enrolled in any department.

To offer a Home Economics minor in Elementary Education or other departments.

To offer not less than two years of work toward a major in Home Economics with opportunity to transfer to another college for completion.

Minor and Major Requirements

	Minor	Pre-Sec. and Lib. Arts Majors in Allied Arts
Lower Division	6 un. L. D. Courses in Home Economics	12 un. L. D. Art, Home Economics, and Indus- trial Education (See Faculty Adviser for distribution)
Upper Division	6 un. U. D. Courses in Home Economics	12 un. U. D. Art, Home Economics, and Indus- trial Education (See Faculty Adviser for distribution)
Total Units Required	12 units	24 units

Lower Division**21. CLOTHING CONSTRUCTION (I). 3 units**

Laboratory practice in construction of suitable garments, emphasizing selection and alteration of commercial patterns, and correct fitting methods. Study of textiles, purchase of materials and ready-made garments.

One one-hour lecture and three two-hour laboratory periods.

Fee, \$.50.

25. COSTUME AND PERSONALITY (II). 2 units

Open to all students.

Study of costume as an expression of personality and good taste in dress, including a study of color, design, and textiles as related to the individual.

Two one-hour periods per week. Fee, \$.50.

53A. HOSTESS TRAINING AND FOOD SELECTION (I). 2 units

A study of food combinations for healthful meals; types of meal service and etiquette involved in each. Course includes a study of the courtesies of home, business, and professional life.

One one-hour lecture and two two-hour laboratory periods per week.

Fee, \$2.

53B. FOOD SELECTION AND ADVANCED HOSTESS TRAINING (II). 3 units

Continuation of hostess training with more emphasis on food study, nutrition, preparation, and marketing.

One one-hour lecture and two three-hour laboratory periods per week.

Fee, \$2.50.

Upper Division**112. CHILD CARE AND TRAINING. 2 units**

A study of the development of the child from birth through the pre-school period.

Two one-hour periods per week and observation. Fee \$.25.

121. ADVANCED CLOTHING CONSTRUCTION. 3 units

Continuation of Clothing Construction with emphasis on original designing, study of textiles, and improved technique.

One one-hour lecture and three two-hour laboratory periods per week.

Fee, \$.50.

122. HOUSEHOLD ADMINISTRATION (II). 2 units

A study of equipment and techniques contributing to efficient household management, with emphasis on consumer buying.

Two one-hour periods per week. Fee, \$.25.

130. HOME PLANNING AND FURNISHING (I). 3 units

A study of the principles of art as applied to home furnishing problems. Aims to develop intelligent judgment in selection of furnishings from the standpoint of art, economy, and comfort.

Two one-hour lectures and one two-hour laboratory period per week and observation. Fee, \$.50.

INDUSTRIAL EDUCATION**Minor Requirements**

	Minor
Lower Division	6 units of lower division courses. It is recommended that Mechanical Drawing be included if subject has not been taken in high school.
Upper Division	6 units of upper division courses. It is recommended that Advanced Woodworking for 3 units be included.
Total units Required	12 units

Lower Division**5. POTTERY (I). 2 or 3 units**

An interesting course in an age-old industry. Designing, casting, throwing, modeling, glazing, and firing.

Two or three three-hour periods per week.

Fee, \$1 per unit.

6. MODELING (I). 2 or 3 units

A course planned for those interested in modeling the human form as a prerequisite for art, facial correction in dentistry, etc.

Two or three three-hour periods per week.

7A. MECHANICAL DRAWING (I, II). 2 units

A fundamental course in mechanical drawing covering orthographic, isometric, and cabinet projection, intersection of solids, sections, screws and threads, gears, cams, blue prints, etc.

Two three-hour periods per week.

7B. ADVANCED MECHANICAL DRAWING (II). 2 units

An advanced course in mechanical drawing given to aid students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Three two-hour periods per week.

12. METAL ARTS (II). 3 units

A course in the application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. ARCHITECTURAL DRAFTING. 2 or 3 units

Foundation work in beginning house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in Mechanical Drawing either in high school or college is advisable as a background.

Two or three three-hour periods per week.

15. RURAL SCHOOL HANDWORK AND TOYCRAFT (WOMEN) (I, II). 3 units

A course adapted to the use of the native materials, and waste products applied to work in the grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the lines tried.

Three one-hour periods per week.

20. BEGINNING WOODWORKING FOR WOMEN (I, II). 2 units

An experimental course offered especially for women who may be interested in making simple objects of furniture, and learning the use of the easier woodworking tools. Sewing cabinets, magazine holders, chests, and many other pieces of furniture can be made.

Two three-hour periods per week.

51. FUNDAMENTALS OF INDUSTRIAL EDUCATION (MEN) (I, II). 3 units

A study of the fundamentals of industrial education and its application to the teaching of the subject in the grades. This includes methods, courses of study, construction of objects for grade work, and care and use of equipment.

Three three-hour periods per week.

52. BEGINNING WOODWORKING (MEN) (I, II). 2 or 3 units

Not planned for teachers. A study of the fundamentals of wood construction for those who wish to gain skill for a hobby or trade.

Two three-hour periods per week.

Upper Division**101. ADVANCED WOODWORKING (I, II). 2 or 3 units**

Building of boats, airplane gliders, and large pieces of a similar nature. Prerequisite: Ind. Ed. 52.

Two or three three-hour periods per week.

103. THE ART OF HOUSE DESIGN. 2 or 3 units

A serious study of home planning and building. Prerequisite: Ind. Ed. 13.

Two or three three-hour periods per week.

105. ADVANCED POTTERY (I). 2 units

A serious study of the problems involved in pottery making as applied to teaching and commerce. Designing, decorating, throwing, packing, firing of the kiln are a few of the things studied.

Two three-hour periods per week.

123. PATTERNMAKING AND THEORY OF FOUNDRY PRACTICE (II). 3 units

A study in the basic principles of foundry practice and patternmaking. The construction of simple patterns, and the casting in the softer metals.

Three three-hour periods per week.

124. ADVANCED CABINET AND OTHER WOOD CONSTRUCTION (I). 2 or 3 units

An advanced course in woodwork offered for students interested either in teaching or in advanced construction problems.

Two or three three-hour periods per week.

125. CARPENTRY. 3 units

A serious study of house construction. A recommended course to follow Industrial Education 103, The Art of House Design. Prerequisite: Industrial Education 52.

Three three-hour periods per week.

126. ADVANCED CABINET AND WOOD CONSTRUCTION FOR WOMEN. 2 units

A course especially adapted for women interested in problems of an advanced nature in woodworking and cabinet work. Prerequisite: Industrial Education 20.

Two three-hour periods per week.

127. ADVANCED METAL ARTS (II). 2 or 3 units

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, as well as other metals.

Two or three three-hour periods per week.

130. ARCHITECTURAL DRAFTING AND DESIGN. 2 units

This course is planned to aid the student in designing practical, inexpensive, modern homes. Prerequisite: Industrial Education 7A.

Two three-hour periods per week.

130. DESCRIPTIVE GEOMETRY. 3 units

A course required for engineering, and based on the course given at the University of California.

Prerequisite: Mechanical Drawing 7A.

Three one-hour lectures, and three two-hour drafting periods per week.

131. SHOP MANAGEMENT, METHODS, AND EQUIPMENT. 2 units

An advanced analysis course planned for students majoring in Industrial Education.

Two one-hour periods per week with regular outside preparation.

MATHEMATICS AND PHILOSOPHY

MATHEMATICS

Minor Requirements

	Minor
Lower Division	*Prerequisites: Elementary Algebra Intermediate Algebra Plane Trigonometry *May be satisfied in high school
	Math. 3A-B 6 units
Upper Division	Math. 104A-B 6 units
Total Units Required	In addition to prerequisites 12 units

Lower Division

C. TRIGONOMETRY (I). 3 units

A study of Plane Trigonometry and spherical right triangles. Prerequisite: Plane Geometry; one and one-half years of high school Algebra, or course I.

Three one-hour periods per week.

E. SOLID GEOMETRY (II). 2 units

Prerequisite: Elementary Algebra and Geometry.

Two one-hour periods per week.

1. INTERMEDIATE ALGEBRA (I). 3 units

Quadratic equations, exponents and radicals, practice in the use of logarithms, and theory of equations, elementary determinants, progressions, and the binomial theorem. Prerequisite: One year of high school Algebra or General Mathematics.

Three one-hour periods per week.

2. MATHEMATICS OF FINANCE (I). 3 units

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance. Prerequisite: Two years of high school Algebra or Intermediate Algebra.

Three one-hour periods per week.

3A. PLANE ANALYTIC GEOMETRY (I). 3 units

Cartesian and polar equations of the straight line, conic sections, and general equations of the second degree. Prerequisite: High school algebra, geometry, and trigonometry.

Three one-hour periods per week.

3B. DIFFERENTIAL CALCULUS (II). 3 units

A continuation of plane analytics with a study of differential calculus, and an introduction to integral calculus. Prerequisite: Mathematics 3A.

Three one-hour periods per week.

8. COLLEGE ALGEBRA (II). 3 units

Theory of equations, determinants, and equations third and fourth degrees. Prerequisite: Mathematics 3A.

Three one-hour periods per week.

20. MATHEMATICS OF THE ELEMENTARY SCHOOL (I, II). 3 units

Operations and principles essential to the manipulation of fractions, equations, and formulae, with applications from design, graphics, statistics, investment, and engineering. Prerequisite: Elementary Algebra and Geometry.

Three one-hour periods per week.

21. INTRODUCTION TO BUSINESS MATHEMATICS (II). 3 units

Principles of business mathematics; simple and compound interest; simple, successive, and bank discount; profit; loss; tax rates; annuities; graphs with practical applications.

Three one-hour periods per week.

Upper Division**104A. INTEGRAL CALCULUS AND SOLID ANALYTICS (I). 3 units**

Continues the development and application of the calculus; includes infinite series, partial derivatives. Prerequisite: Differential Calculus.

Three one-hour periods per week.

104B. INTEGRAL CALCULUS AND SOLID ANALYTICS (II). 3 units

A continuation of Mathematics 104A including quadric surfaces and multiple integration. Prerequisite: Mathematics 104A or Integral Calculus.

Three one-hour periods per week.

Division of Civil Engineering**1A-1B. PLANE SURVEYING (Yr.). 3-3 units**

Principles, field practice, calculations, and mapping. Prerequisite: Plane Trigonometry and Geometrical Drawing.

Two one-hour lectures and one three-hour laboratory period per week.

PHILOSOPHY

6A. INTRODUCTION TO PHILOSOPHY (I). 3 units

An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources including the philosopher poets and contemporary writers.

Three one-hour periods per week.

6B. INTRODUCTION TO PHILOSOPHY (II). 3 units

A special consideration of the basic problems of philosophy including historical references to solutions presented in the past. Lectures, reading, and discussions with appropriate tests.

Three one-hour periods per week.

MODERN LANGUAGES

The modern language department offers enough courses to constitute a minor in French, in addition to French and Spanish courses required in the lower division in certain fields.

Either French or Spanish may be elected to make up high school deficiencies in foreign language, but French is recommended, in some cases required, for students majoring in fields in which foreign language is required in the lower division.

A student who has had French or Spanish in high school should consult the instructor for arrangement of courses suited to his needs. A year of foreign language in high school is equivalent to one semester in college.

FRENCH**Minor Requirements**

	Minor	
Lower Division	Prerequisites: French A-B or 2 years of high school French	
	French C	3 un.
	French D	3 un.
Upper Division	French 105A-B	6 un.
Total Units Required	In addition to prerequisites: 12 units	

Lower Division**FRENCH A (I, II).****3 units**

Elementary French. Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Four one-hour periods per week.

FRENCH B (I, II).**3 units**

Elementary French. A continuation of French A. Prerequisite: French A or one year of high school French.

Four one-hour periods per week.

FRENCH C (I, II). 3 units

Intermediate French: Reading, grammar, and composition. Prerequisite: French B or two years of high school French.

Three one-hour periods per week.

FRENCH D (I, II). 3 units

Intermediate French: Continuation of French C. Prerequisite: French C or three years of high school French.

Three one-hour periods per week.

FRENCH 5A (I). 3 units

Advanced French: Reading. Prerequisites: French D or four years of high school French.

Three one-hour periods per week.

FRENCH 5B (II). 3 units

Advanced French: Reading. Continuation of French 5A. Prerequisite: 5A.

Three one-hour periods per week.

Upper Division**FRENCH 105A (I).** 3 units

Advanced French: A brief survey of the development of French literature from its beginning to the eighteenth century. Reading of representative writers of this period. Prerequisite: French D or four years of high school French.

Three one-hour periods per week.

FRENCH 105B (II). 3 units

Advanced French: Continuation of French 105A. A survey of French literature from the eighteenth century to the present time. Reading of representative writers of this period. Prerequisite: French 105A.

Three one-hour periods per week.

SPANISH**A. ELEMENTARY SPANISH (I).** 3 units

Pronunciation, fundamentals of grammar, reading of simple texts. Corresponds to first-year high school Spanish.

Four one-hour periods per week.

B. ELEMENTARY SPANISH (II). 3 units

Continuation of Spanish A. Corresponds to second-year high school Spanish. Prerequisite: Course A or one year of high school Spanish.

Four one-hour periods per week.

MUSIC**Minor Requirements**

	MINORS	
	Choral	Instrumental
Lower Division	Piano Test Mus. 1 3 un. Mus. 2A 2 un. Mus. 5A-B (W.) } Mus. 6A-B (M.) } or 1 un. Mus. 7 } Mus. 3A or 3B 3 un.	Piano Test Mus. 1 3 un. Mus. 3A or 3B 3 un. Mus. 10A-B or App. Piano 1 un. *Mus. 51, 52, or 53 (2 courses) 4 un.
Upper Division	Mus. 105A-B (W.) } Mus. 106A-B (M.) } or 1 un. Mus. 107 } Mus. 109 } 2 un. Mus. 192 3 un.	Mus. 110A-B 1 un. Mus. 109 2 un. Mus. 192 3 un.
Total Units Required	15 units	17 units

* The four units of instrumental class work should be taken in two orchestral sections in which the student has not had training.

Lower Division**1. INTRODUCTORY COURSE IN MUSICIANSHIP (I, II).**

3 units

A required course for all students working for a teaching credential. Music majors not eligible. Course includes elementary work in ear training, sight singing, and piano keyboard; and is designed to give the fundamentals of music in a direct and concise manner.

Three one-hour periods per week.

2. EAR TRAINING AND SIGHT SINGING (I).

2 units

This course is designed to give a thorough foundation in the elements of music-tonal and rhythmical dictation, sight singing, and melodic writing. It covers major and minor modes on the treble and bass staves.

Three one-hour periods per week.

3A. MUSIC HISTORY AND APPRECIATION (I, II). 3 units

History of instrumental music composers and the development of instrumental music forms. It comprises a study from the beginning of the fantasia, the fugue, the sonata, the symphonic poem, and the symphony.

Three one-hour periods per week.

3B. MUSIC HISTORY AND APPRECIATION (I, II). 3 units

History of vocal music composers and the development of vocal music forms. It comprises a study of the opera, the oratorio, and the art song. Emphasis is placed upon hearing representative music of each type.

Three one-hour periods per week.

4A. HARMONY A (I). 3 units

Study of scale structure, intervals, primary chords and inversions, and writing of four-part harmony. Harmonization of given and original melodies. One hour of keyboard harmony included per week.

Three one-hour periods per week.

4B. HARMONY B (II). 3 units

Secondary triads, non-harmonic tones, seventh chords and inversions, harmonic analysis, modulation. One hour of keyboard harmony included per week.

Three one-hour periods per week.

14A. HARMONY C (I). 3 units

Altered chords, original composition, modulation, and ninth chords. One hour of keyboard harmony required per week.

Three one-hour periods per week.

14B. HARMONY D (II). 3 units

Augmented sixth chords, more difficult modulations, whole-tone scale, secondary dominant formations. One hour of keyboard harmony required per week.

15. INTRODUCTORY MUSIC READING—PIANO (I, II). 1 unit

This course includes work for those who wish to learn to play simple songs and rhythmic compositions. It is also open to students wishing to continue piano work.

One one-hour period per week.

51. STRINGED INSTRUMENTS (I). 2 units

Violin, viola, 'cello, string bass. Study and practice of one or more of the stringed instruments supplemented by a study of arranging for stringed instruments, teaching methods, and the elementary physics of sound.

One two-hour period per week.

52. BRASS INSTRUMENTS (II). 2 units

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

One two-hour period per week.

53. WOODWIND INSTRUMENTS (I). 2 units

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

One two-hour period per week.

UPPER DIVISION**109. CONDUCTING (II). 2 units**

Interpretation and baton technique as applied to choral and instrumental ensembles.

Two one-hour periods per week.

190. PRACTICUM IN MUSIC (I, II). 2 units

Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences.

Two one-hour class periods and two one-hour observation periods per week.

192. MUSIC LITERATURE AND METHODS (I). 3 units

This course emphasizes a broad survey of musical literature. It is valuable for general culture and for those interested in teaching. It gives an up-to-date procedure of teaching such material to children from the first grade through the junior high school.

Three one-hour periods per week.

199. PIANO CLASS METHODS (I, II). 1 unit

A comparison of several methods of teaching piano in classes, from the elementary school to the college level. Designed to prepare elementary school teachers with previous piano training to teach children in the public schools.

One one-hour period per week.

MUSICAL ORGANIZATIONS

5A, B; 105A, B, C, D, E, F. WOMEN'S GLEE CLUB (I, II). $\frac{1}{2}$ unit

This course affords opportunity for the study of three- and four-part choral compositions, voice development, interpretation, building repertoire, and public appearance. Lower and upper division credit given.

Two one-hour periods per week. Fee, \$.75.

6A, B; 106A, B, C, D, E, F. MEN'S GLEE CLUB (I, II). $\frac{1}{2}$ unit

This course affords opportunity for study of four-part choral compositions, voice development, interpretation, public appearance, and building well-balanced programs. Lower and upper division credit given.

Two one-hour periods per week. Fee, \$.75.

7; 107A, B, C, D, E, F. A CAPELLA CHOIR (I, II), 1 or 2 units

The a cappella choir members are chosen by the director from the best voices in the men's and women's glee clubs. The choir presents several concerts before the public each year. Lower and upper division credit given.

Two two-hour periods per week. Fee, \$.75.

10A, B; 110A, B, C, D, E, F. ORCHESTRA (I, II). $\frac{1}{2}$ unit

The orchestra affords qualified students an opportunity for study of good orchestral composition, and for learning to play with good interpretation and finish and precision. Outside practice is necessary. For advanced students upper division credit will be given.

One two-hour period per week. Fee, \$.75.

11. BAND (I). $\frac{1}{2}$ unit

Marching technique and study of music suitable for assemblies and popular occasions. The band plays for the athletic contests and rallies of the fall semester.

Two one-hour periods per week. Fee, \$.50.

APPLIED MUSIC

One unit of credit will be given for one-half hour lesson per week and the necessary practice for the lesson.

Private Piano—Miss Jackson_____per month \$5 00

String Instruments—Miss Dale_____1 25

Voice—Mr. Kinsman_____1 50

Band and Orchestra Instruments_____

The fees are for half-hour lessons except in piano.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Every student is required to take Hygiene, and every student carrying 12 or more units of work is required to take Physical Education unless excused by the Director of Health Service and Physical Education. This activity requirement is administered on the basis of two one-hour periods per week.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Minor and Major Requirements

	Minor	Junior High School Major (Men Only)	Major for Spec. P. E. Credential (Men Only)
Lower Division-----	P. E. 2.....2 units Activity Courses.....1½ units Men P. E. 9A.....1 unit P. E. 10A.....1 unit Women P. E. 16A.....½ unit P. E. 17A.....½ unit P. E. 18A or 26A.....½ unit	P. E. 2.....2 units P. E. 9A.....1 unit P. E. 10A.....1 unit P. E. 5.....½ unit Activity Courses.....1½ units	P. E. 2.....2 units P. E. 26A.....½ units P. E. 9A.....1 unit P. E. 10A.....1 unit P. E. 5.....½ unit Activity Course.....½ units
Upper Division-----	P. E. 176.....2 units P. E. 199.....1½ units P. E. 190B.....½ unit Men P. E. 192A-B...4 units Women P. E. 193A-B...4 units	P. E. 175.....3 units P. E. 176.....2 units P. E. 199.....1½ units P. E. 190B.....½ unit P. E. 151.....4 units P. E. 192A-B...4 units Activity Courses.....1½ units Electives in P. E. (May be Lower Division)....1½ units	P. E. 175.....3 units P. E. 176.....2 units P. E. 190B.....½ unit P. E. 192A-B...4 units P. E. 199.....1½ units P. E. 151.....4 units Ed. 322.....2 units Ed. 323.....4 units P. E. 198.....2 units Activity Courses.....1½ units
Total units required..	Men.....13½ units Women.....13 units	24 units	30 units

COURSES FOR MEN**Lower Division**

5. FRESHMAN PHYSICAL ACTIVITIES FOR MEN (Required)
(I only). $\frac{1}{2}$ unit

For freshmen only.

Fundamentals of team and individual sports including some achievement tests.

- 6A-B. TOUCH-FOOTBALL, VOLLEYBALL AND HANDBALL
(I only). $\frac{1}{2}$ unit

- 7A-B-C. BASKETBALL, TRACK AND SOFTBALL (II only).
 $\frac{1}{2}$ unit

- 8A-B. INDIVIDUAL SPORTS FOR MEN (I, II) $\frac{1}{2}$ unit
Boxing, fencing, tumbling, wrestling (choice of one or more).

- 9A-B-C-D. ATHLETICS, FOOTBALL AND BASKETBALL (I)
 $\frac{1}{2}$ unit
(May be taken for 1 unit the first time only).

- 10A-B-C-D. ATHLETICS, BASKETBALL, BASEBALL, TRACK
AND FIELD (II). $\frac{1}{2}$ unit
(May be taken for 1 unit the first time only).

Upper Division

- 192A. THEORY OF ATHLETICS (I). 2 units
Football, soccer, speedball, and basketball.
Two one-hour periods per week.

- 192B. THEORY OF ATHLETICS (II). 2 units
Baseball, track and field, and tennis.
Two one-hour periods per week.

COURSES FOR WOMEN**Lower Division****15. FRESHMAN PHYSICAL ACTIVITIES FOR WOMEN**

(Required) (I only).

 $\frac{1}{2}$ unit

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

16A-B-C. FIELD HOCKEY AND VOLLEYBALL (I only). $\frac{1}{2}$ unit**17A-B-C-D. BASKETBALL, BASEBALL OR SPEEDBALL**

(II only).

 $\frac{1}{2}$ unit**18A. BEGINNING DANCE (II)** $\frac{1}{2}$ unit**18B. ADVANCED DANCE (I).** $\frac{1}{2}$ unit**Upper Division****193A. THEORY OF ATHLETICS (I).**

2 units

Field hockey, soccer, speedball, volleyball, handball.

Two one-hour periods per week.

193B. THEORY OF ATHLETICS (II).

2 units

Basketball, baseball, tennis, track and field.

Two one-hour periods per week.

Courses for Men and Women

2. HYGIENE (I, II). 2 units

An informational course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

25A-B-C-D. RESTRICTED ACTIVITIES (I, II). $\frac{1}{2}$ unit

Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.

Two one-hour periods per week.

26A. ELEMENTARY CLOG AND TAP DANCING (I). $\frac{1}{2}$ unit26B. ADVANCED CLOG AND TAP DANCING (II). $\frac{1}{2}$ unit26C. TAP CLUB (I). $\frac{1}{2}$ unit

Advanced technique; original numbers required of students; participation in school programs.

Two one-hour periods per week.

27A. ELEMENTARY TENNIS (I, II). $\frac{1}{2}$ unit27B. INTERMEDIATE TENNIS (I, II). $\frac{1}{2}$ unit27C. ADVANCED TENNIS (I, II). $\frac{1}{2}$ unit28A. ELEMENTARY ARCHERY (I, II). $\frac{1}{2}$ unit28B. ADVANCED ARCHERY (I, II). $\frac{1}{2}$ unit29A. BEGINNING INDIVIDUAL SPORTS (I, II) $\frac{1}{2}$ unit

Badminton, deck tennis, paddle tennis, table tennis.

29B. ADVANCED INDIVIDUAL SPORTS (I, II). $\frac{1}{2}$ unit

Badminton, deck tennis, paddle tennis, table tennis.

30A. BEGINNING GOLF (I, II). $\frac{1}{2}$ unit30B. ADVANCED GOLF (I, II). $\frac{1}{2}$ unit31. BALLROOM DANCING (I, II). $\frac{1}{2}$ unit

Basic dance techniques; foxtrot, waltz, tango, and current routines. Dance etiquette.

Two one-hour periods per week.

32A-B. FREE-PLAY ACTIVITIES (I, II). $\frac{1}{2}$ unit

Either one activity or a combination of two of the following: archery, badminton, golf, handball, tennis.

Open only to seniors who have had previous instructions in the activity and who are approved by the Staff.

Upper Division**151. APPLIED KINESIOLOGY AND METHODS IN CORRECTIVE PHYSICAL EDUCATION (I). 4 units**

The combined course includes a study of the anatomy of muscles, bones, joints, and of the nervous system as a basis for understanding bodily movement in exercise and sports; the principles underlying good body mechanics; the causes, correction and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program, equipment facilities and procedure; the fundamentals and practice of massage. Much of the work is practical. No prerequisites except upper division standing.

Four one-hour periods per week.

175. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION (I). 3 units

The evaluating of the history of physical education, the weighing of current problems in the field, the setting-up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. PRINCIPLES OF COMMUNITY RECREATION (I). 2 units

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

190B. METHODS IN SINGING GAMES AND FOLK DANCES (I, II). $\frac{1}{2}$ unit

Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

190C. ADVANCED FOLK DANCING (II). $\frac{1}{2}$ unit

Recreational folk dancing. Prerequisite: P.E. 190B.

198. CONFERENCE ON SECONDARY SCHOOL PHYSICAL EDUCATION (II). 2 units**199. PRACTICUM IN PHYSICAL EDUCATION (I, II). 1 $\frac{1}{2}$ units**

The organization of the physical education program in Grades I through VIII.

One class hour, two activity hours, and one observation hour per week.

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

SOCIAL SCIENCE**Minor and Major Requirements****Minors**

	Economics	History	Social Science
Lower Division.....	Econ. 1A-B..... 6 units	Hist. 4A-B..... 6 units	Econ. 1A-B..... 6 units Hist. 4A-B..... 6 units
Upper Division.....	U. D. Econ..... 6 units	U. D. Hist..... 6 units	U. D. Econ..... 3 units U. D. Hist..... 3 units
Total units required..	12 units	12 units	18 units

Majors

	Junior High School Credential		
	Economics	History	Social Science
Lower Division.....	Econ. 1A-B..... 6 units Hist. 4A-B..... 6 units		
Upper Division.....	U. D. Econ..... 12 units	U. D. Hist..... 12 units	U. D. Econ..... 6 units U. D. Hist..... 6 units
Total units required..	24 units	24 units	24 units

	Pre-Sec. and Lib. Arts Major	Liberal Arts Major in Economics and Business
Lower Division.....	Econ. 1A-B..... 6 units Hist. 4A-B..... 6 units	Commerce..... 9 units Economics Econ. 1A-B..... 6 units
Upper Division.....	U. D. Econ..... 9 units U. D. Hist..... 9 units Additional Soc. Sci..... 6 units	Commerce..... 6 units Economics Econ. 113..... 3 units Econ. 120..... 3 units Econ. 134..... 3 units Econ. 135..... 3 units Econ. 150 or 151..... 3 units Econ. 195..... 3 units
Total units required..	36 units	39 units

ECONOMICS**Lower Division****1A-1B. PRINCIPLES OF ECONOMICS (Yr.).** 3-3 units

First semester: The evolution of modern capitalistic industry; business organization and control; money; banking; and international trade.

Second semester: The economic laws of value, price, and of the distribution of wealth and income; problems of government finance, labor, and economic reform.

Three one-hour periods per week.

Upper Division

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor.

***113. ECONOMIC AND SOCIAL HISTORY OF THE UNITED STATES (II).** 3 units

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

***120. BUSINESS ORGANIZATION (II).** 3 units

The practical problems of organization, control, and management of private enterprise; and the relation of the government business.

Three one-hour periods per week.

123. MARKETING (I). 3 units

See Commerce 135.

***134. BUSINESS FINANCE (II).** 3 units

Instruments and methods of financing private business. Special emphasis upon corporation finance and investment.

Three one-hour periods per week.

***135. PRINCIPLES OF MONEY AND BANKING (I).** 3 units

The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.

Three one-hour periods per week.

150. LABOR ECONOMICS (I). 3 units

A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.

Three one-hour periods per week.

* Not given 1939-40.

151. PROGRAMS OF ECONOMIC SECURITY (II). 3 units

The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.

Three one-hour periods per week.

***189. SOCIAL AND ECONOMIC ASPECTS OF IMMIGRATION (II). 3 units**

A brief survey of the history of immigration into the United States followed by a more comprehensive study, both qualitative and quantitative, of recent tendencies.

Three one-hour periods per week.

195. PRINCIPLES OF INTERNATIONAL COMMERCE (II). 3 units

The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; international debts; government control and direction of international trade.

Three one-hour periods per week.

GEOGRAPHY**1. INTRODUCTION TO GEOGRAPHY (I). 3 units**

The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.

Three one-hour periods per week.

2. CULTURAL AND REGIONAL GEOGRAPHY (II). 2 or 3 units

A brief study of the physical environment as the home of man in terms of climatic regions, followed by a more intensive study of the economic activities and the culture pattern of these regions.

Two one-hour periods per week. An additional unit of credit may be obtained by doing outside independent study assigned by the instructor.

HISTORY**Lower Division****4A-4B. HISTORY OF WESTERN CIVILIZATION (Yr.). 3-3 units**

A rapid survey of the political, economic, social, religious, and cultural development of Europe from ancient times to the present.

First semester: From ancient times to 1660.

Second semester: From 1660 to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

* Not given 1939-40.

Upper Division

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor.

146. EUROPE SINCE 1870 (II). 3 units

The political, economic, and social development of pre-war Europe; pre-war diplomacy and causes of the World War; the World War; post-war developments in the several European states; international relations; present cultural status.

Three one-hour periods per week.

***149A. HISTORY OF RUSSIA TO THE END OF THE 18TH CENTURY (I). 3 units**

The first Russian state at Kiev; the Mongol-Tatar invasions; rise of the Muscovite state; Peter the Great and his reforms; Russia under Catherine the Great.

Three one-hour periods per week.

***149B. HISTORY OF RUSSIA IN THE 19TH AND 20TH CENTURIES (II). 3 units**

The reigns of Paul and Alexander I; reaction under Nicholas I; the reforms of Alexander II; the revolutionary movement during the 19th century; the revolution of 1905; the World War and revolutions of 1917; the Soviet regime; the foreign relations of Russia in Europe and Asia.

Three one-hour periods per week.

NOTE: Either History 149A or History 149B may be taken alone without taking the other. It is preferable, however, that a student who desires to take History 149B precede it by History 149A.

189. HISTORY OF THE PACIFIC COAST (I). 3 units

The Spanish period; the frontier in American history; the conquest and development of the Pacific Coast region of the United States.

Three one-hour periods per week.

199. SPECIAL STUDY IN HISTORY (I, II). 1-3 units

Under special circumstances a student majoring in history or social science will be permitted to receive credit for reading and historical investigation carried on outside of class under the supervision of the instructor.

Political Science

1A. COMPARATIVE GOVERNMENT. 3 units

The political organization of Great Britain and her self-governing dominions, of France, Belgium, and Italy; cabinet systems, parliamentary and judicial organization; political parties. (Not offered 1939-1940.)

Three one-hour periods per week.

* Not given 1939-40.

1B. COMPARATIVE GOVERNMENT.

3 units

This is a continuation of course 1A, dealing with similar features in the governments of Switzerland, Germany, Russia, Japan, and the United States. (Not offered 1939-1940.)

Three one-hour periods per week.

151. AMERICAN NATIONAL GOVERNMENT (I, II).

2 units

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

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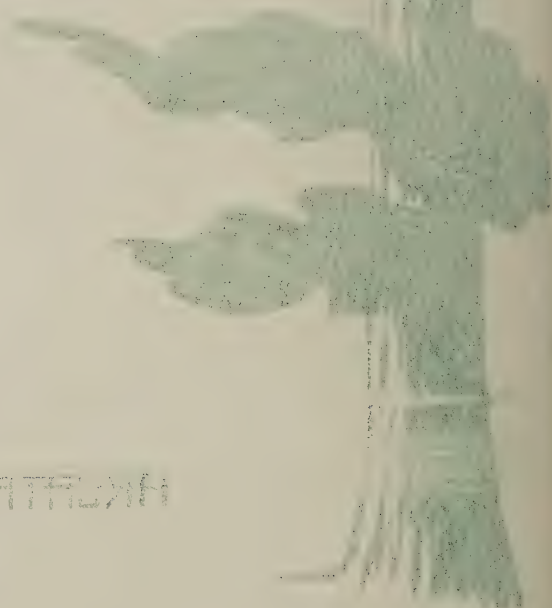
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Volume XXV, No. 4

June 1, 1940

CIRCULAR OF INFORMATION
 AND
ANNOUNCEMENT OF COURSES

COLLEGE YEAR, 1940-1941

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UNIVERSITY OF ILLINOIS

A STATE COLLEGE FOR THE TRAINING
OF TEACHERS FOR THE PUBLIC SCHOOLS
AND FOR GENERAL COLLEGE WORK

Entered as second-class matter, April 4, 1916, at the post office at Arcata,
California, under the act of August 24, 1912

Published four times annually in the months of February,
April, May, and June



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when you come to register*

1940

JULY

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1941

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DECEMBER

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ACADEMIC CALENDAR, 1940-1941

Fall Semester, 1940

REGISTRATION PERIOD	Tuesday, Wednesday, and Thursday, September 10, 11, and 12
English A Test	9 a.m., Tuesday
College Aptitude Test	10 a.m., Tuesday
Senior Registration	9 to 12, Tuesday
Second-Semester Freshman Registration	1 to 4, Tuesday
Sophomore Registration	9 to 12, Wednesday
Junior Registration	1 to 4, Wednesday
First-Semester Freshman Registration	9 to 4, Thursday
INSTRUCTION BEGINS	Friday, September 13
Last day for program changes without charge	Friday, September 20
Last day for program changes at 25 cent rate	Wednesday, October 16
End of six-weeks period	Friday, October 18
Course fees due	Monday-Friday, October 21-25
Mid-term warning notices	Friday, November 8
ARMISTICE DAY	Monday, November 11
THANKSGIVING RECESS	To be announced
End of twelve-weeks period	Friday, November 29
CHRISTMAS HOLIDAYS	Saturday, December 21, through Sunday, January 4
SEMESTER EXAMINATIONS	Monday, Tuesday, Wednesday, Thursday, January 20-23

Spring Semester, 1941

REGISTRATION PERIOD	Monday and Tuesday, January 27 and 28
English A Test	9 a.m., Monday
College Aptitude Test	10 a.m., Monday
Senior and Second-Semester Freshman	
Registration	9 to 12, Monday
Sophomore Registration	1 to 4, Monday
Junior Registration	9 to 12, Tuesday
First and Second-Semester Freshman	
Registration	1 to 4, Tuesday
INSTRUCTION BEGINS	Wednesday, January 29
Last day for program changes without charge	Friday, February 7
Last day for program changes at 25 cent rate	Wednesday, March 5
End of six-weeks period	Friday, March 7
Course fees due	Monday-Friday, March 10-14
Mid-term warning notices	Friday, March 28
SPRING VACATION	Saturday, April 5, through Sunday, April 13
End of twelve-weeks period	Friday, April 25
MEMORIAL DAY	Friday, May 30
SEMESTER EXAMINATIONS	Tentative Dates:
	Wednesday, Thursday, May 28 and 29;
	Monday and Tuesday, June 2 and 3
COMMENCEMENT	June 6

Summer Session

Six weeks-----June 16 to July 25

Fall Semester, 1941

(Probable Dates)

English A Test-----9 a.m., Wednesday, September 10
 Registration Period-----Wednesday, Thursday, Friday, September 10-12

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NOTE TO THE PROSPECTIVE STUDENT

A Word about the College

Humboldt State College offers the prospective student several advantages and attractions. Despite its small size it can meet a considerable variety of educational needs. For those who look to teaching as a career the College provides sound and modern courses of training for the kindergarten through the junior high school levels. For those who desire a cultural education it offers the basic studies in the humanities and sciences. For those embarking upon a particular professional career it offers the studies necessary as groundwork and background. For those wishing to enter the business world it provides both practical training courses and a liberal arts curriculum in business.

Besides these educational facilities, which are the primary function of any college or university, the College affords a congenial dormitory life, an athletic program that gives opportunity to the experienced and inexperienced alike, and a natural environment that is not bettered anywhere in the state for scenery and opportunities for outdoor life. And lastly, though not least, because of its small size the College affords opportunity for students and faculty both to become acquainted with one another to a degree not possible in large schools.

A Word about this Catalog

This catalog is your introduction to the purposes and work of Humboldt State College. In it we have sought to put all the information necessary in order for you to know what courses of study the College offers and how the College and its student body are organized and function. Careful study of it will enable you to find your way about amidst the necessary curricular requirements and regulations with a minimum of assistance. An extensive table of contents in the front of the catalog is intended to help you find whatever you wish or need to know.

Acquaintance with some matters you can leave until after you have become well established in the College, but with certain parts of this catalog you should familiarize yourself as soon as you have decided to enter the College, namely:

(1) *How you enter the College.* The requirements and procedure for entrance and registration in the College are told in

the section titled "Admission to the College." The procedure for enrolling in classes is specified under "Academic Regulations."

(2) *What rules and regulations you are subject to once you are in the College.* Those rules and regulations applying to all students are found in the section "Academic Regulations." All students are held responsible for a knowledge of them. Those requirements referring to particular curricula are found under "Degrees, Credentials, and Curricula."

(3) *What courses of study you wish to follow.* The several groupings of curricula you will find outlined and described under "Degrees, Credentials, and Curricula." Specific curricula are detailed under the various departments in the section "Courses of Instruction." A system of cross references to pages in both sections should enable you to find your information readily. The explanatory note at the beginning of the section "Courses of Instruction" is called to your attention.

(4) *What your expenses will be.* The fees charged by the College and student body are listed under "Fees and Expenses." They are payable at the time of registration. Some courses carry a fee to cover cost of materials used or transportation on field trips. The fee charged, if any, is specified along with the description of the course. Living expenses vary with the individual, but as a rule they are not high in Arcata. Living arrangements are discussed under "Student Life." Those students seeking financial assistance will find a few scholarships listed in the section "Student Life" and directions for seeking employment or temporary loans under "Fees and Expenses."

If, despite our best efforts, certain requirements or regulations are not entirely clear, feel free to communicate with the Office of the Registrar of the College, or if you can, personally visit us.

Meanwhile we invite you to come to Humboldt and hope we can welcome you here when the new semester opens.

THE PRESIDENT AND FACULTY
OF HUMBOLDT STATE COLLEGE

THE COLLEGE

LOCATION

Humboldt State College is located in the town of Arcata, which is situated on the north shore of Humboldt Bay in northern California. Backed by high forested hills, the College occupies a conspicuous position on the top of a hill, about a mile from the center of town. It commands an unrestricted panorama of forested mountains, bay, dairy and farm lands, sand dunes, Pacific Ocean, and at night the lights of Arcata, Eureka, and Samoa.

Arcata, the first town to be established in northwestern California, is located on the famous Redwood Highway eight miles north of Eureka and 300 miles north of San Francisco. It is reached by the Northwestern Pacific Railroad and Pacific Greyhound Lines. It has a population of approximately three thousand and possesses several churches, a fine school system, modern stores, a recently-built motion picture theater, hotel, and library. It also possesses a natural park and an attractive plaza. Box manufacturing and dairying form the basis of the business life of the community. Eureka nearby is a thriving city of about twenty thousand people. It is the county seat of Humboldt County and is the site of a woolen mill and several lumber mills. About fifty miles south of Eureka is Cape Mendocino, the westernmost point of the mainland of California. Humboldt State College enjoys the distinction of being the college farthest west in the United States.

The climate of the Humboldt Bay region, though moist, is stimulating and equable, the extremes of heat and cold being absent. Summer and fall are particularly delightful seasons.

PHYSICAL EQUIPMENT

Campus and Buildings

The physical plant of the College comprises a compact group of buildings and athletic facilities, appropriately landscaped. The main building, a rectangular two-story structure surrounding an inner court, houses the administrative offices, faculty offices, classrooms, library, student social unit, and auditorium. Adjacent to the main building are the original normal school buildings, used today for a variety of purposes. In the rear are a modern gymnasium and an athletic field, which is being developed with aid of federal grants. In front, across the street from the main building, are four tennis courts

for use of the students and faculty. Nelson Hall, a new \$200,000 dormitory, named in honor of State Senator Hans C. Nelson, who contributed much to the development of the College, will be ready for occupancy, it is expected, by the opening of the 1940 fall semester. It will include a well-equipped dining commons. A small greenhouse and fish hatchery make up the remaining physical facilities of the College.

Back of the athletic field and gymnasium the College owns a large tract of second-growth redwood forest, in which have been cut a number of trails and clearings for purposes of recreation and botanical study.

Library

The library, situated off the south end of the inner court, contains some twenty thousand volumes. Though not large, this collection is well distributed as to subject matter, including recreational reading, and is constantly being added to. Its periodical list contains nearly one hundred and fifty titles, about half of which are scientific and professional and the rest of general nature. For many of the titles which the library does not possess it draws upon the collection of the California State Library, with which it has a borrowing arrangement. If desired, the library will also borrow, at a small expense charge, from the great collection of the library of the University of California at Berkeley. The library requirements of a small college are thus met in adequate fashion.

College Elementary School

The College maintains an elementary school on the campus, a short distance from the main building. It is here, as well as in the schools of Eureka and Arcata, through the cooperation of their school authorities, that the student teaching by the teaching credential candidates is conducted.

The College Elementary School extends from the kindergarten through the eighth grade. It is housed in a commodious and modern building of reinforced concrete, to which are being added several improvements, made possible by a recent grant of the state Legislature. Adjacent to the building are large fenced-in playfields.

HISTORICAL NOTE

Humboldt State College is one of the seven California state colleges, which have developed out of the old state normal

schools. The original Humboldt State Normal School was established in 1913 by an act of the Legislature. Actual instruction began on April 6, 1914, the first class sessions being held in the Arcata Grammar School under an agreement between the Board of Education of Arcata and the normal school authorities.

The fine site of the College was donated by William A. Preston and the Union Water Company, whose officers were Noah H. Falk, Len Yocom, Mrs. Arthur Way, and Mrs. Kate Harpst. By January, 1915, temporary wooden buildings were constructed and ready for occupancy. In 1917 the Legislature appropriated \$245,000 for the permanent main building, which has been in use since February, 1922. A \$70,000 gymnasium was added in 1930 and the four tennis courts and the College Elementary School in 1933.

The professional curriculum in teacher training originally required two years to complete. Gradually it was extended and broadened to include many of the liberal arts and the sciences, so that today at least four years must be spent to complete any teacher credential curriculum offered by the College.

Control of the institution was first vested in a local board of trustees, appointed by the Governor. In 1921 control was transferred to the State Department of Education and the College placed in the hands of the Director of Education and the State Board of Education. The Legislature at the same time changed all of the Normal Schools to State Teachers Colleges, and authorized the State Board of Education to grant the Bachelor of Arts degree in Education. In 1935 the Legislature changed the name to Humboldt State College and authorized the granting by the College of the Bachelor of Arts degree in the liberal arts. Thus the College now functions as a teacher training institution and as a regional college.

The enrollment of the College has increased considerably. Approximately 575 individual students enrolled in its sessions during the academic year 1939-1940.

STUDENT LIFE

LIVING ACCOMMODATIONS

Living quarters for students in attendance at the College are available in Nelson Hall, in apartments, and in private rooming houses in Arcata. There are several of the latter available near the College at reasonable rentals. A list of

approved living quarters may be obtained from the Financial Secretary of the College.

Nelson Hall, a new dormitory, operated by the College under the supervision of the Head Residents and the President, accommodates thirty women and thirty-five men in a congenial and comfortable environment. All rooms are double rooms and rent at the rate of \$6.50 a month per person. Bedding and towels and their laundering are provided by the dormitory. Students residing at the dormitory must agree to take their dinners at the dining commons, at the rate of \$13.00 a month (at 45 cents apiece), with reductions for regular absences over week-ends. Arrangements for rooms should be made through the office of the Financial Secretary. Any student who finds it necessary to leave the dormitory during the semester should first consult one of the Head Residents and then submit two weeks' notice to the Financial Secretary.

In conjunction with the dormitory a College Commons is operated where students, faculty, and their friends may obtain meals at cost.

All lower division women students who do not commute daily to the College are expected to live in Nelson Hall, unless special arrangements are made by the parents with the Dean of Women. It is advisable, also, for upper division women to reside in the dormitory.

It is important that the College have correct local and home addresses for all students. A record of these addresses is kept both in the office of the Secretary to the President and in the office of the Registrar.

STUDENT ORGANIZATIONS

Student Body Government

In keeping with the democratic tradition in American education the College administration encourages student body government as a means by which the students may acquire an appreciation of and practical experience in the art of self-government. It is expected that such government will develop leadership and a sense of responsibility among the students. However, the faculty retain authority and supervision over certain matters, such as student body finances and relations with individuals or groups outside the College where sound financial practice, legal responsibilities, and the best interests of the students make it advisable.

The organization of the associated students, known officially as the Student Service Association, consists of five officers—

President, Vice-President, Secretary, Treasurer, and Publicity Manager—a Board of Control, and an Executive Committee. The student body officers are elected annually in the spring. The *Board of Control*, composed of the Vice-President of the student body as ex-officio chairman, three women, and three men elected along with the student body officers, is charged with the responsibility of maintaining high standards of conduct around the College. The *Executive Committee* consists of the five elected student body officers, the members of the Board of Control, and a faculty sponsor appointed by the President of the College. Its duties are to hold student body elections, set student body dues, approve and adjust the budget, authorize purchases and the payment of bills, inventory school property at the end of the school year, and oversee student body affairs in general.

The student body, in addition, employs a graduate manager to supervise its extra-curricular activities and to handle publicity outside of the College.

Student Co-op

For the convenience of the students the student body maintains a bookstore, where college textbooks and supplies may be obtained at cost, and a soda fountain.

Clubs and Societies

To recognize scholastic achievement, encourage particular interests, and afford recreation the students have established a number of organizations, which are authorized by and coordinated through the Student Service Association. They are listed with their sponsors as follows:

Alpha Psi Omega (a national dramatics fraternity)

Sponsor: Dr. Garff Wilson

Associated Women Students

Sponsor: Mrs. Hadley

Chi Sigma Epsilon (local scholastic honor society) See p. 16

Sponsor: Miss Johnson

The College "Y"

Sponsor: Dr. Tolle

Humboldt State College Ski Club

Sponsor: Dr. Lamphere

Humboldt Tap Club

Sponsor: Mrs. Hadley

Kindergarten-Primary Club

Sponsor: Miss Bestor

Men's Association

Sponsor: Mr. Hart

Mu Epsilon Psi (music club)

Sponsor: Miss Garvin

Mutschito (women's social club)

Sponsor: Mrs. Telonicher

Rousers (sophomore honor society)

Sponsors: Miss Johnson and Chi Sigma Epsilon See p. 16

Sigma Epsilon Rho (science club)

Sponsor: Dr. Lamphere

Student Teachers' Club

Sponsors: College Elementary School Staff

Women's Athletic Association

Sponsor: Mrs. Hadley.

In addition the freshmen, sophomore, junior, and senior classes have each its class organization and faculty sponsor.

PUBLICATIONS

A weekly college newspaper, the "Lumberjack," is published by members of the class in journalism under the supervision of Mr. Hicklin.

The student yearbook, "Sempervirens," is published in the spring.

SCHOLASTIC HONORS**Conferred by the Faculty**

GRADUATION HONORS are awarded to graduating students at Commencement, subject to the approval of the faculty, on the basis of their scholastic index achieved in their undergraduate work as follows:

Index 2.00-2.34—with honor

Index 2.35-2.74—with high honor

Index 2.75-3.00—with highest honor

SEMESTER HONORS are given to all regular students who during a semester complete twelve or more units of work and achieve a scholastic index of 2.00 with no *F*'s or *Incompletes*. These honors are announced at the Chi Sigma Epsilon honor assembly early in the following semester.

THE PRESIDENT'S CUP has been provided as a stimulus to student teaching and a recognition of meritorious work. Each year there is engraved upon the cup the name of the student who, in the judgment of the faculty of the College Elementary School, most stands out because of his or her teaching in the Elementary School.

THE PHI BETA KAPPA MEDAL is presented at Commencement by the Phi Beta Kappa members of the faculty to the student making the highest scholastic average during the year.

Conferred by the Students

CHI SIGMA EPSILON is the upper division honor society, which elects members during the first part of each semester. High scholastic attainment, qualities of leadership, and high ideals of character form the basis of selection. Chi Sigma Epsilon Pledging Day honors with an assembly the students elected to membership.

THE ROUSERS are a sophomore honor society, sponsored by Chi Sigma Epsilon, whose active members select them in the fall from the sophomore class on the same basis as election to Chi Sigma Epsilon.

THE CHI SIGMA EPSILON FRESHMAN MEDAL is presented each spring to the student who, in the opinion of the members of Chi Sigma Epsilon, is the outstanding member of the freshman class. Scholarship, character, and participation in student activities determine the award.

SCHOLARSHIPS AND MONETARY AWARDS

Conferred by College Organizations

AWARD FOR CREATIVE WRITING. President and Mrs. Gist have provided an annual prize of \$10 to stimulate creative writing. The arrangements for submitting manuscripts and the selection of the recipient are in the hands of the Department of English.

CHI SIGMA EPSILON SCHOLARSHIP. This scholarship, which covers the general student fees for the freshman year, is donated by Chi Sigma Epsilon to a high school graduate of Humboldt or Del Norte County on the basis of scholarship, character, and participation in activities while in high school.

FACULTY WOMEN'S GIFT. The Faculty Women's Club of the College presents a monetary gift to one or more of the graduating women at the close of the academic year. The selection is based on scholarship, character, and the extent to which the student has been self-supporting during her college career. The amount of and frequency of the gifts are determined by the funds available and the records of the senior women.

MEN'S ASSOCIATION SCHOLARSHIP. The Men's Association of the College grants scholarships to two men graduates of

the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic abilities. The scholarships consist of tuition paid for the fall semester of the freshman year. Selection is made by the scholarship committee of the Association from a list of candidates recommended by the high school principals.

Conferred by Civic Organizations and Individuals

ARCATA KIWANIS CLUB AWARD. The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

ASSOCIATED BUSINESS GIRLS' AWARD. The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

BUSINESS AND PROFESSIONAL WOMEN'S SCHOLARSHIP. The Business and Professional Women's Club of Eureka maintains a fund from which scholarships are awarded on a loan basis to women selected by the Club.

CRAIG SCHOLARSHIPS. Two scholarships have been established by Miss Ann V. Craig, former member of the College faculty, in honor of her father and mother. The Edith R. Craig Scholarship is presented to a freshman student chosen at the end of his or her freshman year at the College. The John F. Craig Scholarship is presented to a sophomore student chosen at the end of his or her sophomore year at the College. Selection of the recipients is made by a faculty-student committee of three from those students in the respective classes who have a scholarship index of 2.0 or better and who have participated actively and commendably in at least one extra-curricular activity. Other considerations being equal, preference is given to the students with the greatest financial need. Each scholarship consists of \$25 for each semester of the following year to pay tuition, registration, and course fees and to purchase textbooks.

FERNDALE JUNIOR WOMEN'S CLUB SCHOLARSHIP. The Ferndale Junior Women's Club grants scholarships to worthy students in amounts sufficient to pay their college fees and purchase their books.

THE HUMBOLDT COUNTY FEDERATION OF WOMEN'S CLUBS SCHOLARSHIPS. Each year the Humboldt County Federation of Women's Clubs awards on a loan basis four scholarships of

\$50, one in voice, one in a musical instrument, one in art, and one in dramatics. These scholarships provide a year's private instruction at the College. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor at the College in the field in which the award is made.

MUSICIANS UNION SCHOLARSHIP. Awarded by the Musicians Union of Eureka to a male graduate of a Humboldt County high school who is pursuing a serious study of music. Selection is made in the spring, after communication with the high schools of the county, by the scholarship committee of the union on the basis of scholarship and musical ability, determined through auditions. The recipient must enter the College not later than one year after graduation from high school and must major or minor in music for the duration of the award. He may be eligible for the award a second time. The scholarship consists of payment of tuition and other college expenses for a year.

SEQUOIA MUSIC CLUB SCHOLARSHIPS. The Sequoia Music Club awards each year on a loan basis at least two scholarships of \$50 in music. These scholarships provide for a year of private lessons at the College in either voice, piano, violin, or 'cello. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor in music at the College for the duration of the award.

SOUTH FORK P. T. A. SCHOLARSHIP. The Parent-Teacher Association of the South Fork Union High School awards a scholarship sufficient for fees and books to an outstanding and deserving graduate of that school.

For additional information concerning the foregoing scholarships and awards communicate with the Office of the Registrar, Humboldt State College, Arcata, California.

SOCIAL LIFE

Because of the small size of the College and the presence of a college dormitory a highly congenial and informal social life prevails, in which the faculty as well as the students take part.

A considerable number of student dances are given throughout the college year under student body auspices. The Associated Women Students hold a Freshman Round-Up early in the fall semester. In the spring they give a combined Mother's Day tea and fashion show, as well as a tea honoring the new freshmen students. They also assist as hostesses at social functions in honor of visiting schools or given by the faculty. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. A number of impromptu social functions are held among the students residing in the dormitory. At the end of the spring semester just before Commencement the graduating seniors conclude their undergraduate days with a series of outings and a senior banquet and ball.

The faculty sponsor several social functions for the students. Early in the fall President and Mrs. Gist and Dean Hadley entertain the freshmen and new students at a tea held in the Social Unit of the College. In the spring President and Mrs. Gist entertain the seniors at a tea in their home. During the last month of school the Faculty Women's Club entertain the graduating women. Likewise in the spring the faculty give a tea honoring all students of the College who have made outstanding scholastic records during the preceding semester.

ATHLETICS AND RECREATION

Intramural Sports

To promote recreation and physical exercise the Department of Physical Education conducts a program of intramural sports.

Among the woman class teams are organized in field hockey, volleyball, basketball, and softball, and play through a tournament in the course of the semester. During the spring semester the women hold an Individual Sports Day, which consists of final matches in tennis, archery, badminton, and golf, after a series of elimination matches preliminary to this event. The Women's Athletic Association, in conjunction with the Department of Physical Education, sponsors a Play Day at the College for the girls in all the high schools in Mendocino, Humboldt, and Del Norte counties.

For the men intramural competition is organized in basketball, volleyball, tennis, and golf.

Men's Athletics

The student body conducts a full program of men's intercollegiate athletics that includes football, basketball, baseball, track, and tennis, on both the varsity and junior varsity level. The College is now a member of the Far Western Conference. Competition is scheduled both in and outside of the Conference with colleges and amateur athletic organizations in California and Oregon. A large number of the men students participate in the intercollegiate competition of the College, for the coaching staff is especially interested in developing capable performers out of individuals with little or no athletic experience.

The Department of Physical Education requires all men participating in intercollegiate athletics and all women participating in intramural sports to pass a health examination each season.

Recreation

The student seeking recreation on his own will find in the surrounding country a variety of scenic and natural attractions. Several miles of sand dunes extend along the ocean from the north jetty of the entrance to Humboldt Bay to Little River. North of Little River the coast becomes rugged, with numerous caves, points, and reefs. About twenty miles north of Arcata on the Redwood Highway is Patrick's Point with fine picnic facilities, and a couple of miles beyond that is Big Lagoon, a virtual salt-water lake which, protected from ocean breakers, affords safe swimming and boating. Within an hour's drive or less one can reach the famous redwood groves south of Scotia and north of Patrick's Point, as well as along the Van Duzen River. At North Dyerville Flat stands the tallest tree in the United States, 364 feet in height. Consultation of any good road map of northern California will suggest several interesting trips into a rugged and little settled back-country interior from the coast.

Still other attractions offer themselves. Humboldt County possesses a relative abundance of wild game and fish. In the winter there is skiing on Grouse Mountain, where the College Ski Club has built a cabin. In the summer there is swimming in the pools of Mad and Eel Rivers. The golf courses near Arcata and Eureka make special rates to students. The lighthouse at Cape Mendocino, the lighthouse and Spanish cross at Trinidad Head, the Blowhole three miles south of Trinidad, the Coast Guard station on the peninsula, the woolen mill in Eureka, the box factory in Arcata, and the large lumber mills in Samoa, Eureka, and Scotia are places well worth visiting.

COUNSELING

The College maintains a program of counseling and guidance for entering freshmen. At the time of registration individual attention is given by the faculty program advisers. Early in the semester the Dean of Women interviews each woman student and the Men's Adviser each man student in the freshman class. Meanwhile, both the Associated Women Students and the Men's Association make it their task to see that the freshmen become acquainted with other students and with the customs and organizations of the College. To assist the freshmen in adjusting themselves to their studies and choice of curriculum an Orientation class meets periodically (see p. 25).

At all times the students are free to consult their program advisers and the officers of the College about the problems confronting them.

COMMUNITY RELATIONS

PLACEMENT SERVICE

The College maintains a Placement Bureau as a service both to the teacher graduates of the College and to school officials. It seeks to help the College graduates, both current and past, find the positions best suited to their abilities and training and to assist school executives by recommending to them the candidates best suited to the positions to be filled. The bureau assembles and furnishes to school officials information about the character, sense of responsibility, scholastic achievement, participation in student activities, and success in student teaching of the graduates of the College.

Students seeking positions as teachers will find it to their advantage to work through the Placement Bureau. They should register with the bureau early in their senior year so that the necessary data about them may be collected in plenty of time.

COMMUNITY SERVICE

Inasmuch as the College is a state institution, its facilities, when not in use for college purposes, are available for use by the citizens of the state. It particularly welcomes conventions, conferences, and assemblies of educational or cultural nature. The College auditorium seats four hundred. Arrangements for the serving of meals in the dining commons should be made with the Financial Secretary of the College.

EXTENSION COURSES

Extension courses will be conducted at the College in the evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI ASSOCIATION

The Humboldt State College Alumni Association includes among its objectives assistance to the College in administrative problems and guidance and counsel of recent graduates. The officers for the year 1939-40 are: Leslie Stromberg, president; Eldred Hogan, vice-president; Jane Cotter, secretary; Hugh B. Stewart, treasurer; and Estelle Koch, editor of the *Humboldt Alumnus*.

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students. Such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of his major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State Col-

lege authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.

2. No credit may be allowed for professional courses in education.

Scholarship Average. In the case of students transferring to this college from other institutions, the scholarship average at the previous institution will be included with the average made at this college.

Extension Credit. Extension work taken in other institutions is allowed only up to 10 per cent of the total curriculum requirement.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are accepted credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our pre-secondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The Graduate Division of the University of California finds that it is rarely, if ever, possible for a graduate with the A.B.

degree from any institution to receive both the high school credential and master's degree in one year.

All students intending to transfer to another institution after a year or two at Humboldt should consult the requirements of the institution to which they intend to transfer and arrange their programs at Humboldt accordingly.

ENGLISH A

An examination in English fundamentals, known as the "English A" examination, is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in "English A" in some other college are required to take this examination; those who fail will be enrolled in the non-credit course in English A or Pre-college English.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test which is given immediately after the "English A" examination.

ORIENTATION

All freshman students are required to enroll for an orientation course, which meets during the fall semester once every two weeks. This course provides an opportunity for analysis and discussion of college problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, and matriculation in other institutions, and also for planning and conducting group activities for recreation and self-improvement. It carries a half-unit of college credit.

REGISTRATION

Students should report for registration in compliance with the schedule announced in the calendar. A faculty adviser is assigned to each student according to the curriculum he selects. After a program has been approved by the adviser, the student completes his registration by the payment of fees and the filing of his registration and course cards.

The students official study list is filed in the office of the Registrar. Since this list is the basis for official reports and records, the student must assume responsibility for keeping this list accurate at all times.

Prior to formal registration, conferences may be held with advisers or with the Registrar about suitable programs or course requirements.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the semester. Transcripts of former work should be filed with the Registrar two weeks in advance.

Students who are unable to report for registration during the designated period must make special arrangements with the administration and the faculty concerned. A special fee of \$1 is collected for late registration.

ACADEMIC REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation hour per week for eighteen weeks, with two hours of preparation for each recitation hour. It may be administered as three recitation hours per week for eighteen weeks without outside preparation.

CLASSIFICATION

Students are classified according to the number of units completed as follows:

Freshmen	-----	Less than 30 units
Sophomores	-----	30 to 59½ units
Juniors	-----	60 to 89½ units
Seniors	-----	90 or more units

Those who carry a load of six or more units are classified as regular students. If they carry less than six, they are known as "limited" students.

MARKING SYSTEM

Grades

A five-grade marking system is used. The grades employed are defined as follows:

A	-----	Excellent
B	-----	Good
C	-----	Average
D	-----	Barely Passing
F	-----	Failure

Plus (+) as given in certain courses means passed with a grade of C or better. Inc. means "incomplete," W "withdrawn."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not given to students who are failing or who are dilatory. *The uncompleted work must be made up within the next year of residence, or the Incomplete automatically becomes a Failure.*

Honor Points

Each of the above grades carries honor points as follows:

A-----	3 per unit
B-----	2 per unit
C-----	1 per unit
D-----	0 per unit
F-----	Minus 1 per unit

No honor points are given for an Incomplete until the final grade is given. Neither units nor honor points are given for a course from which a student withdraws. Hence, marks of Incomplete or W have no effect upon the Scholarship Index.

Scholarship Index

The Scholarship Index is a device for rating a student's scholarship average. It is derived by dividing the total number of honor points earned by the total number of registered units. In computing the index, units are not included for activity courses that carry no honor points.

Unless otherwise specified, the term "Scholarship Index" refers to the cumulative rather than the semester index.

NORMAL PROGRAM

Fifteen or sixteen units of work in addition to a half-unit in physical education constitute an average program for a semester. According to the definition of semester unit given above, this means forty-eight hours of actual work each week.

Students who have demonstrated their ability, measured in terms of the Scholarship Index, may be permitted to carry additional work according to the following scale:

<i>Index of scholarship</i>	<i>Maximum load for following semester</i>
1.25-1.74 -----	17½ units
1.75 and above -----	18½ units

The approval of the Health Department is also required for students who register for more than the normal program.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

CLASS ENROLLMENT AND ATTENDANCE

For each student who registers for a given class a course card is issued to the instructor. No student may be admitted to class unless the instructor has received his course card.

The College believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should obtain the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Any member of the faculty may exclude from his course any student who has neglected the work of the course, or is discourteous, or persists in practices annoying to the instructor or the class.

CHANGES OF PROGRAM

Necessary program changes may be made through the Registrar's office with the consent of the student's adviser. To drop a course, the student's procedure is as follows: (1) obtain his course card from instructor, (2) have it signed by adviser, and (3) turn it in at the Registrar's office. To enter a new course, the student should (1) obtain a "Permit to Enter" card from the Registrar, (2) have it signed by his adviser, and (3) exchange it at the Registrar's office for a course card which is filed with the instructor.

Changes of program may be made without charge during the first two weeks of each semester. During the four weeks following a fee of twenty-five cents is charged for each change; thereafter, the fee for each change is fifty cents. A change consists of either adding or dropping a course.

WITHDRAWALS

From a Course

During the first six weeks of any semester, a student in residence who drops a course with official approval will not have that course reported or charged against his record for that semester.

During the second six weeks of any semester, a student in residence may drop a course without prejudice to his record in case this is done with the approval of his instructor in consultation with the adviser, such approval to be based presumably upon considerations of health, outside work, or other matters for which the student is not held culpable. Unless such approval is granted, the dropping of a course during this interval will be recorded as Failure.

During the final six weeks of any semester, the dropping of a course will result in a record of Failure or Incomplete,

depending upon whether the work has been of failing or passing grade up to the time of withdrawal.

From College

Upon petition, an honorable dismissal may be granted to any student in good standing, provided arrangements have been made with the Registrar.

During the first twelve weeks of any semester, students withdrawing from college with official sanction shall be given a mark of W.

During the last six weeks of any semester, those who withdraw shall be given W's or F's depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college during this period may petition for Incomplete grades. This privilege shall be granted only to those whose work is of passing grade at the time of withdrawal.

Students who neglect to comply with these regulations shall have their courses reported as Failures.

REPORTS TO STUDENTS

At the end of the semester, reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having particular difficulties in certain subjects are periodically interviewed by the President.

PROBATION AND DISQUALIFICATION

Any student whose cumulative average drops below 1.00 (a C average) shall be given a warning notice.

If a student's scholarship index for a semester falls below .50 (midway between a C and a D), he shall be placed upon probation for the ensuing semester.

A student on probation shall not be permitted to enroll for more than $13\frac{1}{2}$ units. To get off probation, he must:

- (a) Complete at least eight units of work during the semester;
- (b) Achieve an index for the semester of .50 or better. (If he wishes to do so, he may attend summer school, averaging his summer grades with those of the preceding semester to achieve the requisite .50.)

A student on probation shall be automatically disqualified if his index for the semester drops below 0 (a grade average of D). Should his semester index be between 0 and .50, he shall remain upon probation for a second semester. At the close of the second probationary semester, if he has failed to achieve the required standard of .50, he shall be disqualified.

A student who has been disqualified for unsatisfactory scholarship may apply through the Registrar for re-entrance upon probation after the lapse of one semester.

Students whose personal conduct is unsatisfactory may be disqualified by administrative action at any time.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of the students, the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At least three medical examinations are given each student as follows:

- (1) At entrance (including a dental examination)
- (2) During the junior year
- (3) Before graduation

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is provided at special rates.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

No student may represent Humboldt State College in a public appearance of any organized student activity who is carrying less than eight units of work at the time of participation.

No student on probation may so represent the College.

The term "organized student activity" shall be interpreted to include:

- (a) Competitive athletics
- (b) Dramatic performances
- (c) Musical performances

An exception is made in the case of intercollegiate athletics which are governed by conference regulations that supersede this ruling.

FEES AND EXPENSES**FEES****State**

Required of all students taking six or more semester units

Regular semester registration fee	\$6 50
Physical Education fee per semester	75
Health fee per semester	25

Special

Registration fee for students taking less than six semester units (per unit)	\$2 50
Extension fee per unit	5 00
Out of state tuition fee (first semester)	75 00
(Subsequent semesters)	37 50
Late registration fee	1 00
Diploma fee at graduation	2 50
State credential fee	3 00
Appointment Service fee (for five sets of recommendations)	1 00
(Additional sets, each)	20
Additional transcripts, each	1 00
Special Examinations—(mid-term)	50
Final	1 00

Student Body

Fee per semester	\$5 00
Student Annual (first semester only)	2 50
Physical Education fee per semester	75
Hospitalization and health fee per semester	75

Summer Session**State**

Summer Session registration fee (six weeks)	\$20 00
Health and Physical Education fee	50
Student Body Lecture and Recreation Fund	50

Refunds

STATE FEES. Refunds of these fees are subject to regulations set forth by the State as follows:

The tuition fee charged a resident or non-resident student may be refunded if the student has not attended in excess of two weeks from the date of registration in any semester, provided that in the judgment of the president of the college, withdrawal of the student is the result of circumstances beyond the student's control, and provided further that the amount of \$1.50 per semester shall be retained to cover the cost of registration. In case a student is unable to continue a

course because of a college regulation, the entire fee may be returned, but in each such case the circumstances concerning the application of such regulation must be stated on the application submitted to the State Director of Education.

When a student transfers from the classification of limited to regular, or from regular to limited, or reduces the number of units for which a student is registered in a limited classification, \$.50 shall be withheld as a charge to defray the cost of bookkeeping.

A late registration fee is not returnable.

When a student withdraws from the college or from any course, any unused portion of the service fees paid by the student may be refunded.

A student entering any class, in which a service fee is charged, shall pay the full fee irrespective of the time when the class is entered.

STUDENT BODY FEES. These fees are not refunded if a student has participated in any student body activity.

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are often available for needy and deserving students. The college employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. Application for employment should be made to the Financial Secretary before registration.

GENERAL STATEMENT

I. Degree curricula

II. Lower division curricula

- A. Terminal
Commercial Training
One-year
Two-year
- B. Preparatory for transfer to other institutions
Agriculture
Agricultural Economics
Animal Science
Plant Science
Commerce (completion in the College of Commerce
at the University of California)
Dentistry
Engineering
Forestry
Law
Liberal Arts or
Letters and Science
- Mathematics
Medicine
Music
Nursing
Pharmacy

III. Administrative credentials

- A. Elementary School Principal or Supervisor
- B. Elementary School Executive

DEGREE CURRICULA

Bachelor of Arts

The Bachelor of Arts or A.B. degree is granted customarily after four academic years of work in the following forms:

(A) A PROFESSIONAL DEGREE IN CONJUNCTION WITH ONE OR MORE CALIFORNIA TEACHING CREDENTIALS. One of the primary functions of the College is the training of teachers. To that end the College offers work leading to (a) the General Elementary Credential, (b) the combined General Elementary and Kindergarten-Primary Credentials, (c) the combined General Elementary and General Junior High School Credentials, and (d) the Special Secondary Credential in Physical Education, alone or in combination with the others. For a detailed description of the academic and other requirements for the A.B. degree and these credentials see pages 37 and 68.

(B) A NON-PROFESSIONAL DEGREE IN LIBERAL ARTS. The nature of this degree is primarily cultural, as it represents a broad background in the humanities and the sciences. The degree is, however, of considerable value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The A.B. degree in Liberal Arts is offered in these fields:

- Allied Arts (p. 51)
- Biological Sciences (p. 55)
- Economics and Business (p. 105)
- English (p. 78)
- Social Sciences (p. 105)
- Speech and Dramatics (p. 82)

The basic A.B. degree requirements are given on pages 35 to 38; the specific major requirements on the pages indicated in the parentheses.

(C) A PRE-SECONDARY LIBERAL ARTS A.B. DEGREE. This form of the A.B. degree is intended for those students who plan to obtain the General Secondary Credential qualifying them

to teach in the high schools of the state. The College is not authorized to grant this particular credential, which calls for a year of graduate study in an institution authorized to offer the professional courses required for the credential. However, the required A.B. degree in a subject field taught in the secondary schools may be obtained at the College in these fields:

- Biological Sciences (p. 55)
- English (p. 78)
- Social Sciences (p. 105)
- Speech and Dramatics (p. 82)

The basic A.B. degree requirements are given on pages 35 to 38; the specific major requirements on the pages indicated in parentheses.

In addition to the above curricula the College provides the first two years of work in other subject fields taught in the secondary schools, such work being preparatory to completing the requirements for the A.B. degree and the General Secondary Credential at another institution.

Lower division presecondary work may be taken in Music (see p. 47) and the first three years in Business Education (see p. 63). In pursuing one of these curricula the student is cautioned to acquaint himself with the specific requirements of the college or university to which he intends to transfer.

Students who intend to obtain a General Secondary Credential are advised to consult the particular requirements of the institution to which they plan to transfer.

Students who plan to obtain a General Secondary Credential at the School of Education of the University of California are directed to the fact that before receiving the credential they must have satisfied:

- (1) Matriculation requirements of the University;
- (2) The Junior Certificate requirements of the University (see p. 41 of this catalog);
- (3) The following minimum scholarship index requirements of the School of Education:

Upper division work	1.50
Postgraduate work	1.75
Educational courses	1.00
Work for the major	1.75
Work for the minor	1.00

General Requirements for the Bachelor of Arts Degree in All Forms

Of the two degrees which the College is authorized to grant the A.B. degree in its three forms is by far the more commonly awarded. To receive this degree, whether in conjunction with a California teaching credential or as a non-professional degree in liberal arts, the student must fulfill certain basic requirements set up by the State Department of Education and the College. They are the following:

Units. A minimum of 124 units is necessary for graduation. Of these at least 40 units must be selected from upper division courses. Not more than 40 units taken in Education or any one department may be counted towards fulfillment of the total number of units for graduation.

Residence. At least 24 of the 124 or more units for graduation must be completed at this college in residence.

Subjects. All candidates for the degree must take:

Social Science	14 units
Nearly all of the four-year curricula stipulate that the 14 units be taken in the lower division.	
Biological and physical sciences.....	14 units
Twelve of these units must be taken in the lower division, with the provision that the number may be reduced by substituting equivalent work in high school at the discretion of the Department of Biological and Physical Sciences.	
English (in the lower division).....	6 units
English A can not be applied in fulfillment of this requirement.	
Psychology (in the lower division).....	3 units
Physical education (in the lower division).....	2 units
American Government	2 units

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A *major* is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the Junior High School Credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 40) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Allied Arts	Allied Arts	Biological Sciences
Biology or Botany or Zoology	Biological Sciences	English
English	Economics and Business	Social Sciences
Home Economics	English	Speech and Drama
Industrial Education	Home Economics	
Physical Education	Social Sciences	
Social Science or Economics or History	Speech and Drama	
Speech and Drama		

A *minor* is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	French	Physical Education
Biology or Botany or Zoology	Home Economics	Social Sciences or History or Economics
Commerce	Industrial Education	Speech and Dramatics
Education	Mathematics	
English	Music, Choral or Instrumental	

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with the degree.

Bachelor of Education

The Bachelor of Education or B.E. degree is designed for successful teachers in the field who would find difficulty in meeting all the requirements for the A.B. degree but who wish to have a modern bachelor's degree. The degree is professional in character, carries no credential with it, and is not intended to qualify its recipients for graduate standing in the universities.

Authorization. The California State Board of Education on January 7, 1937, authorized the seven state colleges to grant this degree, the requirements for which are based upon an evaluation of successful experience and educational activities as a substitute for certain academic and professional courses.

Effective Dates and Application. The operation of this curriculum will not extend beyond February 1, 1947. All applications for candidacy must be filed and at least six semester hours of work completed before February 1, 1942. All the requirements must be completed and the degree conferred prior to February 1, 1947.

Each teacher who desires to become a candidate for the Bachelor of Education degree shall file with the college an inventory of training and experience. Blanks for this purpose may be secured from the College.

Eligibility for Candidacy. The following classes of teachers are eligible for candidacy for this degree:

1. Graduates of the two-year, two-and-a-half year, or three-year curricula of the California state colleges when these institutions were normal schools or teachers colleges, who have had five or more years of successful teaching experience.

NOTE.—Graduates of the three-year curricula are advised to work toward the Bachelor of Arts degree, but in case such graduates elect to take the Bachelor of Education degree, the requirements may be satisfied by completing at least eighteen semester hours of college work in addition to equivalent credit that may be allowed for other experiences or activities.

2. Holders of California life diplomas or those who have taught five or more years in the public schools of California.

Required Program. The degree will be granted upon the successful completion of 124 semester units of college or university work or the equivalent. Of this total requirement at least 106 semester units of work shall be completed in regular campus classes, extension classes, or in correspondence courses under college or university direction. Not to exceed eighteen semester units of credit may be allowed for experiences and activities that can be evaluated as equivalent to regular academic work.

Fields of Study. Each candidate for the Bachelor of Education degree must include in the last 60 semester units of credit earned a minimum of six semester units in each of three of the following six fields of knowledge:

1. Professional courses.
2. Social sciences.
3. Natural sciences.
4. Psychology and philosophy.
5. Fine arts and literature.
6. Physical education, hygiene, and recreation.

Equivalents. Equivalents will be evaluated in terms of professional service units, and each such unit will count as equal to one semester unit of college or university work. Equivalents will also be evaluated in terms of results—on the basis of quality of work rather than quantity.

Professional service units may be allowed in each of the following types of activities up to the number indicated, provided that the total shall not exceed 18.

<i>Activity</i>	<i>Maximum number of service units</i>
Teaching experience -----	6
Community service outside the school-----	2
Professional service -----	6
Travel study -----	3
Publications -----	4
Experimental problem, project, or activity work----	4

Residence Requirements. Twenty-four semester units of college credit earned in California state colleges will be accepted as satisfying residence requirements, provided that at least half of these must have been earned subsequent to June 1, 1934, in Humboldt State College.

Not more than six semester hours of credit may be earned in extension classes. (See note regarding graduates of the three-year curricula.)

LOWER DIVISION CURRICULA

The College offers two types of lower division curricula. The first is terminal in character and at present is confined to commercial training. Both a one-year and a two-year curriculum are available in this field, leading to a certificate of completion. For a full description see p. 64.

The second type comprises a number of lower division curricula, the continuance of which in the upper division the College is not equipped to provide. Most of such curricula

are pre-professional or technical in character, and are designed to meet the needs of those students who plan to obtain a Bachelor of Arts or a Bachelor of Science degree or a certificate of completion at some other institution, but who wish to do the lower division work at Humboldt. *These students should acquaint themselves with the particular requirements of the institutions to which they intend to transfer and should ascertain which of the courses offered at the College will be accepted in preparation for their chosen fields of study.*

The following curricula are the more common fields of study in which the College offers lower division courses. These curricula are suggestive rather than fixed, since the specific course requirements of other institutions may vary. Nor is the list of lower division curricula complete; others may be arranged if the demand presents itself.

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University. To aid the student in planning his course, the requirements for the Junior Certificate, which the University grants upon completion of the lower division work, are given here:

- (a) English A.
- (b) *Foreign languages.* At least 15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units towards this requirement.)
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of *three* of the following groups:
 - (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy

Agriculture

Recommended Sequence

Agricultural Economics

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Philosophy 6A-6B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
Psychology 1 -----		3
Commerce 14A-14B -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Animal Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Plant Science**FRESHMAN YEAR**

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Commerce

This curriculum is planned to meet the lower division requirements of the College of Commerce at the University of California at Berkeley, which grants a Bachelor of Science degree in Commerce upon completion of a four-year curriculum. The lower division requirements in terms of the courses offered at Humboldt are:

(a) English A.

(b) *Foreign languages.*

This requirement may be satisfied by (1) passing the Subject B examination in some acceptable language (French, German, Spanish, Italian, Greek, Latin, Russian, Chinese, Japanese), or (2) offering 12 units in one foreign language. (Each year of high school work in the language offered is counted in satisfaction of 3 units of the requirement.)

(c) *Mathematics.*

Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.

(d) *Natural Science*, 9 units.

Bacteriology 1

Botany 1A-1B

Chemistry 1A-1B, 8, 9

Geology 1A

Paleontology 1

Physics 1A-1B, 2A-2B, 3A-3B, 10

Physiology 1A

Zoology 1A-1B

- (e) *English or Public Speaking.*
English 1A-1B or Speech 1A-1B, 6 units.
- (f) *History or Political Science.*
History 4A-4B, 6 units.
- (g) *Geography.*
Geography 1 and Geography 2, 3-3 units.
- (h) *Economics.*
Economics 1A-1B, 6 units. Economics 40, 3 units.
- (i) *Recommended elective.*
Commerce 14A-14B (Accounting).

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem 2
English 1A-1B -----	3	3
French A-B -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4 or 5	3, 4 or 5
Mathematics 1 (if needed to meet Mathematics requirement) -----	3	
Geography 2 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
French C-D -----	3	3
Science -----		3
Geography 1 -----	3	
Mathematics C (if needed to meet Mathematics requirement) -----	3	
Mathematics 2 -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Dental

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B -----		
or -----		
†Year course -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

* Required if student did not have a course in Physics in high school.

† Chosen from the Letters and Science list, group (e).

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e))-----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year)-----	3	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate)-----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the Junior Certificate in the College of Letters and Science of the University of California.

Pre-Engineering

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English A -----	0	0
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B-----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Forestry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B-----	3	3
Geology 1A or Geography 1-----	3	
Botany 4 -----		3
Economics 1A-1B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Legal

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French A-B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

French C-D -----	3	3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$

Liberal Arts

See Junior Certificate requirements of the College of Letters and Science at the beginning of this section (p. 41).

Pre-Medical

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French A-B -----	3	3
History 4A-4B -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French C-D -----	3	3
Year Course from group (e) -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Music (Pre-Secondary)

Recommended Sequence

FRESHMAN YEAR

<i>First Semester</i>	Units	<i>Second Semester</i>	Units
History 4A.....	3	History 4B.....	3
Science	4	Science	4
Music 3A.....	3	Music 3B.....	3
Music 4A.....	3	Music 4B.....	3
Applied Music.....	1	Applied Music.....	1
Music Activities.....	$\frac{1}{2}$	Beginning Instruments.....	2
Orientation	$\frac{1}{2}$	Music Activities.....	$\frac{1}{2}$
Physical Education.....	$\frac{1}{2}$	Physical Education.....	$\frac{1}{2}$
	15 $\frac{1}{2}$		17

SOPHOMORE YEAR

English 1A.....	3	Speech 1A.....	3
Physics 2A.....	3	Physics 2B.....	3
Music 14A.....	3	Music 14B.....	3
Beginning Instruments.....	2	Music 109.....	2
Music 2.....	2	Applied Music.....	2
Psychology 1.....	3	Beginning Instruments.....	2
Music Activities.....	$\frac{1}{2}$	Music Activities.....	$\frac{1}{2}$
Physical Education.....	$\frac{1}{2}$	Physical Education.....	$\frac{1}{2}$
	17		16

Pre-Nursing

Recommended Sequence

One-Year Curriculum

	Sem. 1	Sem. 2
English 1A-1B	3	3
Chemistry 1A	5	
Anatomy 66		3
Bacteriology 1	4	
Zoology 1A	4	
Physiology 1		5
Psychology 1		3
Physical Education 2.....		2
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Two-Year Curriculum

FRESHMAN YEAR

English 1A-1B	3	3
Chemistry 1A	5	
Physiology 1		5
History 4A-4B	3	3
Foreign Language	3	3
Physical Education 2.....		2
Elective	2	
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Bacteriology 1 -----	4	
Anatomy 66 -----		3
Zoology 1A -----	4	
Psychology 1 -----		3
Economics 1A-1B -----	3	3
Philosophy 6A-6B -----	3	3
Political Science 151 -----		2
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Pharmacy

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		*6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

† Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A or Public Speaking 1A.

* Botany 4 is recommended.

ADMINISTRATION CREDENTIAL CURRICULA

An Administration Credential is required for the position of principal of a school of more than five teachers. It is also required for a supervisor devoting more than half-time to supervision of instruction.

There are two types of Elementary School Administration Credentials:

1. THE ELEMENTARY SCHOOL PRINCIPAL OR SUPERVISOR—for principals or supervisors working under a superintendent of schools.

2. THE ELEMENTARY SCHOOL EXECUTIVE—for principals or superintendents working directly under a board of education.

General Requirements

A candidate for an Elementary School Administration Credential must

- hold a valid General Elementary Credential;
- present a health certificate signed by a licensed physician;
- submit verification of two years of successful teaching experience;

(d) complete

for Type 1—18 semester units of work

for Type 2—24 semester units of work

beyond all requirements for the General Elementary Credential in courses taken concurrently with or subsequent to teaching experience.

Course Requirements

	Type 1 Units	Type 2 Units
1. Professional courses-----	(10)	(12)
(a) Required		
Educ. 115, Educational Tests and Measurements--	2	2
Educ. 139, Elementary School Curriculum-----	2	2
Educ. 140A, School Administration and Supervi-		
sion -----	2	2
Educ. 140B, Field Work -----	2	2
Educ. 144, State and County School Administra-		
tion -----		2
Educ. 152, Visual Education -----	2	2
(b) Elective courses (to be selected only by those who		
have already completed some of the above required		
courses).		
2. Nonprofessional courses-----	8	12
Total units required-----	18	24

AERONAUTICS

In conjunction with the Pierce Flying Service of Eureka the College has been authorized by the Civil Aeronautics Authority to give work leading to a private pilot certificate.* This flight course is outlined and largely financed by the federal government. It consists of ground work of approximately 75 hours in theory given at the College and 35 to 50 hours of flight training given by the Pierce Flying Service.

This course is open to a limited number of men between the ages of 18 and 24, inclusive, who pass the medical examination given by an authorized examiner and who are full-time students at the College with at least sophomore standing. It is open to students who have a secondary interest in aviation as well as to those who have chosen some branch of aeronautics as a vocation or profession. The course does not, however, carry college credit. A fee of \$20 is charged each enrollee.

For more detailed information communicate with the Office of the Registrar of the College.

* This authorization is subject to annual renewal.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and senior as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open only to students who have attained upper division status and who have completed a lower division course or courses deemed preparatory by the department concerned. Sometimes they are elementary courses in subjects of advanced character as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399, inclusive. They are open only to upper division or graduate students.

Courses designated with a letter only (A, B, C, or D) are courses of high school level that are taught in college.

The semester in which a course is taught is indicated parenthetically after the title. Those courses designated "year" run consecutively through both the fall and spring semesters.

A course designated by a double number (e.g., English 1A-1B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first number in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where parts of a course with the same number are listed separately, e.g., Music 3A, Music 3B, the A part is not prerequisite to the B part, unless explicitly so stated.

Some courses are designated by a number and a succession of letters without repetition of the number before each letter, e.g., Speech 25A, B, C, D; Physical Education 6A, B. In such instances the letters indicate the number of times the particular course may be taken for credit.

Because of varying exigencies from semester to semester in making up the schedule of classes the instructor and time and place of meeting of each course of instruction are not given in the following descriptions. At the end of each semester a schedule of classes, containing such information for the following semester, is made up and mimeographed for distribution.

ART

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ALLIED ARTS

LOWER DIVISION

	<i>Units</i>
Art, Home Economics, and Industrial Education.....	12
(See tabulation of major requirements below.)	
Biological and Physical Sciences.....	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 37.)	
English	
1A-1B (Composition and Literature).....	6
Foreign Languages	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Physical Education	4
2 (Hygiene)	2
Activities (one-half unit each semester).....	2
Psychology	
1 (General Psychology)	3
Social Sciences	14
History 4A-4B (History of Western Civilization).....	6
Additional Social Sciences.....	8

UPPER DIVISION

Art, Home Economics, and Industrial Education.....	12 or more *
(See tabulation of major requirements below.)	
Political Science	
151 (American National Government).....	2

Electives—enough to bring total of units up to 124.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

* Although 12 units in the upper division meet the minimum state requirement for a major, it is desirable that students taking the Liberal Arts major in Allied Arts elect more than the minimum 12 upper division units.

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Junior High School</i>		<i>Minor in Art</i>	
<i>Majors in Allied Arts</i>			
Lower Division	12 or more L.D. units* to be chosen from—	Art 6_____	3 units
	Art 1_____2 units	Additional L.D.	
	Art 3_____3 units	Art _____	3 units
	Art 4_____2 or 3 units		
	Home Econ. 1A_____3 units		
	Home Econ. 3_____2 units		
	Home Econ. 10A_____3 units		
	Home Econ. 11_____2 units		
	Ind. Educ. 5_____2 or 3 units		
	Ind. Educ. 7A_____2 units		
	Ind. Educ. 12_____3 units		
	Ind. Educ. 13_____2 or 3 units		
	Ind. Educ. 51_____3 units		
Upper Division	12 or more U.D. units* to be chosen from—	Art 115A_____	3 units
	Art 102_____3 units	Additional U.D.	
	Art 115A_____3 units	Art _____	3 units
	Art 115B_____3 units		
	Home Econ. 101_____3 units		
	Home Econ. 130_____3 units		
	Home Econ. 140_____3 units		
	Home Econ. 150_____2 units		
	Ind. Educ. 101_____2 or 3 units		
	Ind. Educ. 103_____2 or 3 units		
	Ind. Educ. 105_____2 units		
	Ind. Educ. 112_____2 or 3 units		
	Ind. Educ. 124_____2 units		
Total units required	Minimum of 24 units	12 units	

* The distribution of lower and of upper division units among the three branches of Allied Arts is to be determined in conference with the faculty adviser.

DESCRIPTION OF COURSES**LOWER DIVISION**

- 1. Art Structure (fall, spring) 2 units**
Analysis of structural principles of art; the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.
Two one-hour periods per week.
Fee, \$1.50.
- 2. Design (spring) 3 units**
The organization of line, mass, space, volume, and color into patterns for surface decorations.
Prerequisite: Art 1.
Three one-hour periods per week.
Fee, \$1.25.
- 3. Art Appreciation (fall) 3 units**
A study of the development of art through the early historic periods and of schools in architecture, sculpture, painting, and minor arts up to the 20th century.
Three one-hour periods per week.
Fee, \$1.00.
- 4. Graphic Expression (spring) 3 units**
A study of form and space in proportion and composition, expressed with line, value, and color.
Six one-hour periods per week.
Fee, \$1.25.
- 6. Elementary Crafts (fall) 2 or 3 units**
Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft.
Two or three one-hour periods per week.
Fee, \$1.75.
- 7. Puppetry (spring) 2 or 3 units**
Puppetry and its stagecraft.
Two or three one-hour periods per week.
Fee, \$1.75.
- 15. Lettering (fall) 3 units**
Practice in the technique of lettering; use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm; study of the various types of letters.
Three one-hour periods per week.
Fee, \$2.25.
- 20 or 120. Flower Arrangement (spring) 1 unit**
Application of the basic principles of art to the arrangement of flowers.
One one-hour period per week.

UPPER DIVISION

- 102. Applied Design (spring) 3 units**
Advanced problems in original design suitable for industrial uses, with application of some to materials.
Prerequisite: Art 1 and Art 2.
Three one-hour periods per week.
Fee, \$1.00.
- 106. Advanced Crafts (fall) 1, 2, or 3 units**
Plastic modeling and carving in wood, soap, and other media.
Prerequisite: Art 6.
One, two, or three one-hour periods per week.
- 115A. Lettering (fall) 3 units**
Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the college.
Three one-hour periods per week.
Fee, \$2.25.
- 115B. Advanced Lettering (fall) 3 units**
Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of books. Continuation of poster service for college activities.
Prerequisite: Art 15 or Art 115A.
Three one-hour periods per week.
Fee, \$1.25.
- 120. Flower Arrangement (spring) 1 unit**
See Art 20.
- 190. Practicum in Art (fall, spring) 2 units**
Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation and some participation in teaching. May be applied in satisfaction of major and minor requirements in Art.
Prerequisite: Art 1.
Fee, \$1.25.

BIOLOGICAL AND PHYSICAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN BIOLOGICAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Biological Sciences -----	16
(See tabulation of major requirements below.)	
English	
1A-1B (Composition and Literature) -----	6
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Physical Education -----	4
2 (Hygiene) -----	2
Activities (one-half unit each semester) -----	2
Physical Sciences -----	8
Chemistry 1A (General Chemistry) -----	5
Physics 10 (Introduction to Modern Physics) -----	3
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
Economics 1A-1B (Principles of Economics) -----	6
Electives (two units may be upper division) -----	8

UPPER DIVISION

Biological Sciences -----	24
(See tabulation of major requirements below.)	
Physical Science	
Chemistry 108 (Organic Chemistry) -----	3
Political Science	
151 (American National Government) -----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

COURSE REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN BIOLOGICAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Biological Sciences, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 36.

The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Pre-Secondary Major in Biological Sciences</i>		<i>Junior High School Major in Biological Sciences</i>
Lower Division—		
Botany 1A-1B_____	8 units	Biol. 10A-10B _____ 6 units
Zoology 1A-1B_____	8 units	Botany 4 _____ 3 units
Recommended electives:		Zoology 4 _____ 3 units
Bacteriology 1, Botany 4, Zoology 4, Geology 1A, Paleontology 1, Physiology 1, Anatomy 66.		
Upper Division	Emphasis must be on either Botany or Zoology— Botany emphasis	12 units of U. D. Biology, Botany, or Zoology
	Biol. 114_____ 3 units	
	Bot. 110A-110B_____ 6 units	
	At least 15 units chosen from— Botany emphasis	
	Biol. 101 _____ 3 units	
	Biol. 103 _____ 2 units	
	Bot. 101A-101B _____ 6 units	
	Bot. 104 _____ 3 units	
	Bot. 105 _____ 3 units	
	Bot. 107 _____ 3 units	
	Biol. 114 _____ 3 units	
	Zool. 112-113 _____ 6 units	
	At least 15 units chosen from— Zoology emphasis	
	Biol. 101 _____ 3 units	
	Biol. 103 _____ 2 units	
	Zool. 160 _____ 3 units	
	Zool. 165 _____ 3 units	
	Other courses by arrangement _____ 4 units	
Total units required	40 units	24 units
<i>Biology Minor</i>	<i>Botany Minor</i>	<i>Zoology Minor</i>
Lower Division Biology 10A-10B___6 units	Botany 1A-1B_____8 units	Zoology 1A-1B___8 units
	or	or
	Biology 10A-10B___6 units	Biology 10A-10B_6 units
	and Botany 4_____3 units	and Zoology 4___3 units
Upper Division 6 units chosen from—	Botany 110A-110B_6 units	6 units of U.D. Zoology
Biology 101_____3 units	The Biology minor is recommended for credential candidates but is not advised for students planning to transfer to or do graduate work at a university.	
Biology 114_____3 units		
Botany 104_____3 units		
Botany 107_____3 units		
Botany 110A-110B_6 units		
Zoology 165_____3 units		
Total units required	12 units	14 or 15 units
	14 or 15 units	14 or 15 units

DESCRIPTION OF COURSES

Biological Sciences

*Bacteriology***1. General Bacteriology (fall)****4 units**

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases.

Two one-hour lecture and two three-hour laboratory periods per week.
Fee, \$2.00.

Biology

LOWER DIVISION

10A-10B. General Biology (year)**3-3 units**

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life. Required for teacher training.

First semester, two one-hour lecture periods and one three-hour laboratory period; second semester, one one-hour lecture period and six hours of laboratory, largely spent in field work.

Fee, \$1.50 per semester.

UPPER DIVISION

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

101. Marine Biology (spring)*3 units**

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

Fee, \$1.50.

103. Micro-Technique (spring)*2 units**

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two three-hour periods per week.

Fee, \$1.00.

114. Genetics (fall)*3 units**

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

190. Natural Science in the Elementary School (fall)**2 units**

Objectives, methods, and content of the elementary school science program. (Not applicable to a major or minor in Biological Sciences.)

Two one-hour periods per week.

Fee, \$1.00.

* Not given 1940-41.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

LOWER DIVISION

1A-1B. General Botany (year) 4-4 units

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Fields trips will be made to points near the college, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week.
Fee, \$2.00 each semester.

4. Classification of Flowering Plants (spring) 3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lecture and one three-hour laboratory periods per week.
Fee, \$1.50.

UPPER DIVISION

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 4.

***101A-101B. Mycology (year) 3-3 units**

First semester: Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

Second semester: Basidiomycetes and fungi imperfecti.
One lecture and two three-hour laboratory periods per week.
Fee, \$1.50 each semester.

***104. Ornamental Plants (spring) 3 units**

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods per week.
Fee, \$1.50.

* Not given 1940-41.

105. Plant Anatomy (fall)*3 units**

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

Fee, \$1.50.

107. Plant Ecology (spring)*3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of native plants to this area.

Three one-hour periods per week.

110A-110B. Systematic Botany (year)**3-3 units**

First semester: A study of the forest trees and shrubs, with field identification, and a critical study of the characters and habits of gymnosperms.

Second semester: A study of representative orders of flowering plants; their habits, growth, structure, classification, and geographical distribution.

One one-hour lecture and two three-hour laboratory periods per week.

Fee, \$1.50 each semester.

Physiology and Anatomy

1. Introductory Physiology (spring)**5 units**

A general introductory course on human physiology.

Three one-hour lecture and two three-hour laboratory periods per week.

Fee, \$2.50.

66. Elementary Human Anatomy (fall)*3 units**

Demonstration and laboratory study of human dissections, models, and prepared microscopic slides. Designed particularly for nurses and Physical Education majors.

Prerequisite: Zoology 1A.

One one-hour lecture and two three-hour laboratory periods per week.

Fee, \$1.50.

Zoology

LOWER DIVISION

1A-1B. General Zoology (year)**4-4 units**

First semester: An introduction to the facts and principles of animal biology with special reference to the structure, function, and evolution of animals.

Second semester: Structure and development of chordates, including the study of a mammal.

Two one-hour lecture and two three-hour laboratory periods per week.

Fee, \$2.00 each semester.

* Not given 1940-41.

4. Animal Classification (spring) 3 units

Elementary classification and natural history of the common vertebrates and invertebrates; life histories and methods of conservation. Emphasis is on the animal life of the Humboldt bay region. Designed for teaching credential candidates who do not elect Zoology 1A.

Two one-hour lecture and one three-hour laboratory periods per week.
Fee, \$1.50.

53. Hatchery Biology (spring) 3 units

A study of the problems involved in the artificial propagation of fishes, with practical work on salmonoid fishes in the College hatchery.

Two one-hour periods per week and additional work in the hatchery.
Fee, \$2.00.

UPPER DIVISION

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 4.

***112. Invertebrate Zoology (fall) 3 units**

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lecture and one three-hour laboratory period per week.
Fee, \$1.50.

***113. Vertebrate Zoology (spring) 3 units**

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification.

Two one-hour lecture and one three-hour laboratory periods per week.
Fee, \$1.50.

160. Embryology (fall) 3 units

The maturation of egg and sperm; fertilization; and the early development of the amphibian, chick, and mammal.

Two one-hour lecture and one three-hour laboratory and demonstration periods per week.

Fee, \$1.00.

165. Ornithology (spring) 3 units

A study of birds, which includes taxonomy, life histories, migration, habits, and special modifications. Identification of birds in field and laboratory.

Two one-hour lecture and one three-hour laboratory periods per week.
Fee, \$1.50.

* Not given 1940-41.

Physical Sciences

Chemistry

LOWER DIVISION

1A-1B. General Chemistry (year) 5-5 units

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure.

Prerequisites: At least two years of high school mathematics. High school physics or chemistry strongly recommended as preparatory courses.

Three one-hour lecture and two three-hour laboratory periods per week.

Fee, \$5.00 each semester.

UPPER DIVISION

108-109. Organic Chemistry (year) 3-3 units

A survey of the carbon compounds, with laboratory preparations and illustrations. Students transferring to the University of California take this course as Chemistry 8-9.

Prerequisite: Chemistry 1A-1B.

Chemistry 108—Three one-hour lecture periods per week.

Chemistry 109—Three one-hour laboratory periods per week.

Fee, \$5.00 for Chemistry 109.

Geology

1A. General Geology (fall) 3 units

A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.

Three one-hour periods per week and field trips.

Fee, \$3.00.

Paleontology

1. General Paleontology (spring) 3 units

The history and principles of the development of life on the earth. History of the development of man and his relation to vertebrate life.

Three one-hour lecture periods per week.

Physics

1A-1B. Physics (year) 3-3 units

First semester: The elementary principles of mechanics.

Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.

Prerequisites: Three years of high school mathematics, including trigonometry (which may be taken concurrently).

Two one-hour lecture and one three-hour laboratory periods per week.

Fee, \$2.50 each semester.

2A-2B. General Physics Lectures (year) 3-3 units

A general survey of physics for students of the biological sciences. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

3A-3B. General Physics Laboratory (year) 1-1 unit

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity. To accompany Physics 2A-2B.

One three-hour laboratory period per week.

Fee, \$2.50 each semester.

10. Introduction to Modern Physics (spring) 3 units

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour periods per week.

20. Elementary Photography (spring) 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

One one-hour lecture and one three-hour laboratory period per week.

Fee, \$2.00.

30. Elementary Meteorology (fall) 3 units

Absorption and distribution of solar energy; structure and dynamics of the atmosphere; and methods of recording and predicting the weather. Designed especially for students in aeronautics.

Three one-hour periods per week.

Civil Engineering

See Mathematics and Philosophy, Division of Civil Engineering.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

FIRST THREE YEARS OF PRE-SECONDARY CURRICULUM IN BUSINESS EDUCATION

This curriculum is directed towards an A.B. degree with a major and Special Secondary Credential in Business Education. To complete the work for the degree and credential the student will have to transfer to another institution equipped to give the more advanced courses required in this curriculum.

First Semester		FRESHMAN YEAR		Second Semester	
	Units				Units
Com. 2 (Typing)-----	2	Com. 2 (Typing)-----	2		
Com. 5 (Business Machines)-----	2	Com. 14B (Accounting)-----	3		
Com. 14A (Accounting)-----	3	Com. 21 (Business Math.)-----	3		
Biol. 10A (General Biology)-----	3	Art 15 (Lettering)-----	3		
Eng. 1A (Composition)-----	3	Biol. 10B (General Biology)-----	3		
Geog. 2 (Cult. & Reg. Geog.)-----	2	Eng. 1B (Comp. and Literature)-----	3		
Orientation-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$		
Physical Education-----	$\frac{1}{2}$				
	16				17 $\frac{1}{2}$

SOPHOMORE YEAR			
Com. 1A (Shorthand I)-----	5	Com. 1B (Shorthand II)-----	5
Econ. 1A (Principles of Econ.)-----	3	Econ. 1B (Principles of Econ.)-----	3
Speech 1A (Public Speaking)-----	3	Psych. 1 (General Psychology)-----	3
Natural Science-----	4	Speech 1B (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$	Natural Science-----	4
		Physical Education-----	$\frac{1}{2}$
	15 $\frac{1}{2}$		
			18 $\frac{1}{2}$

JUNIOR YEAR			
Com. 40 (Business Law I)-----	3	Com. 41B (Bus. Corresp.)-----	3
Com. 50 (Salesmanship)-----	3	Com. 130 (Business Law II)-----	3
Econ. 40 (Elem. Stat. Methods)-----	3	Com. 134 (Marketing)-----	3
Econ. 113 (Econ.-Soc. Hist. U. S.)-----	3	Econ. 120 (Bus. Organization)-----	3
Econ. 135 (Money and Banking)-----	3	Educ. 110 (Educ. Psychology)-----	3
Phys. Ed. 2 (Hygiene)-----	2	Pol. Sci. 151 (Amer. Nat. Govt.)-----	2
	16		17

State requirement: 1000 hours or six months of acceptable business experience.

CURRICULA IN COMMERCIAL TRAINING

One-Year Course

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
Com. 1A (Shorthand I)-----	5	Com. 1B (Shorthand II)-----	5
Com. 2A or 2B (Typing I or II)-----	2	Com. 2B or 2C (Typing II or III)-----	2
Com. 14A (Accounting)-----	3	Com. 4 (Spelling)-----	1
Com. 41A (Business English)-----	3	Com. 21 (Business Math.)-----	3
Com. 40 (Business Law I) or		Com. 41B (Business English)-----	3
Com. 50 (Salesmanship)-----2 or	3	Elective-----	1 or 2
Orientation-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
Physical Education-----	$\frac{1}{2}$		
	16-17		15 $\frac{1}{2}$ -16 $\frac{1}{2}$

Two-Year Course

FRESHMAN YEAR

Same as one-year course above.

SOPHOMORE YEAR

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
Com. 1C (Shorthand III)-----	5	Com. 1D (Shorthand IV)-----	5
Com. 2C or 2D (Typing III or IV)---	2	Com. 2D or 2E (Typing IV or V)-----	2
Com. 5 (Business Machines)-----	2	Com. 14B (Accounting)-----	3
Com. 40 (Business Law I) or		Com. 71 (Transcription)-----	3
Com. 50 (Salesmanship)-----2 or	3	Elective (optional)-----	1
Com. 69 (Sec. Training)-----	3	Physical Education-----	$\frac{1}{2}$
*Elective-----	2 or 3		
Physical Education-----	$\frac{1}{2}$		
	16 $\frac{1}{2}$ -18 $\frac{1}{2}$		16 $\frac{1}{2}$

* English recommended, if scholarship index permits.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts Major in Economics and Business</i>	<i>Minor in Commerce</i>
Lower Division	See tabulation under Department of Social Sciences, p. 105. Includes Commerce 14A-14B ----- 6 units Commerce 40 ----- 3 units	Commerce 40 ----- 3 units Additional L. D. Commerce ----- 3 units
Upper Division	See tabulation under Department of Social Sciences, p. 105. Includes Commerce 130 ----- 3 units Commerce 134 ----- 3 units	Commerce 130 ----- 3 units Commerce 134 ----- 3 units
Total units required	42 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Shorthand I (fall, spring)

5 units

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. Shorthand II (fall, spring)**5 units**

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Prerequisite: Commerce 1A or its equivalent.

Five one-hour periods per week.

1C. Shorthand III (fall, spring)**5 units**

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Prerequisite: Commerce 1B or its equivalent.

Five one-hour periods per week.

1D. Shorthand IV (fall, spring)**5 units**

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

2A. Typing I (fall, spring)**3 units**

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Nine one-hour periods per week.

Fee, \$1.00.

2B. Typing II (fall, spring)**2 or 3 units**

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Prerequisite: Commerce 2A or its equivalent.

Six or nine one-hour periods per week.

Fee, \$1.00.

2C. Typing III (fall, spring)**2 units**

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.

Prerequisite: Commerce 2B or its equivalent.

Six one-hour periods per week.

Fee, \$1.00.

2D. Typing IV (fall, spring)**2 units**

Advanced drills for accuracy and speed; law office typing; actual secretarial practice, including work with the dictaphone.

Prerequisite: Commerce 2C or its equivalent.

Six one-hour periods per week.

Fee, \$1.00.

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2E. Typing V (spring) 2 units

Development of superior speed; continued emphasis upon accuracy.

Prerequisite: Commerce 2D or its equivalent.

Six one-hour periods per week.

Fee, \$1.00.

3. Filing (spring) 2 units

Practice is given in all the methods of correspondence filing, such as The Triple Check Automatic Index, Varidex Alphabetic, Subject, Numeric, and Geographic. Attention is given to cross-indexing, coding, and follow-up or tickler systems. Strictly up-to-date filing outfits are used.

Two one-hour periods per week.

4. Spelling (fall) 1 unit

A study of words used in business and industry with special drill on those commonly misspelled.

Two one-hour periods per week.

5. Business Machines (fall, spring) 2 units

An intensive study of modern office machinery, including calculators, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.

Two one-hour periods per week.

Fee, \$0.25.

***10. Penmanship No credit**

A thorough course in practical business penmanship planned to meet the needs of teachers of penmanship. This course will be flexible enough to care for students who fail to meet major department standards.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

First semester: An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Second semester: A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, nonprofit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspects of accounting.

Five one-hour periods per week.

21. Business Mathematics (spring) 3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. Business Law 1 (fall) 3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. Business English and Correspondence (year) 3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

***50. Salesmanship (fall) 2 units**

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

69. Secretarial Training (fall) 3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances.

Prerequisite: Commerce 2A.

Three one-hour periods per week.

70. Business Contact (fall) 2 units

Addresses, special talks, lectures, demonstrations by executives experienced in the subjects covered. Inspection trips. Each student is required to report each week one public lecture given either on or off the campus. Shorthand notes accompany the transcript.

71. Shorthand Transcription (spring) 3 units

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

UPPER DIVISION**130. Business Law II (spring) 3 units**

Civil Code of California; corporation law; law of personal and real property, carriers, trademarks, copyrights, bailments; and law of bankruptcy. Textbook, cases, and lectures.

Prerequisite: Commerce 40.

Three one-hour periods per week.

***134. Marketing (fall) 3 units**

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Prerequisite: Upper division status.

Three one-hour periods per week.

EDUCATION AND TEACHER TRAINING

REQUIREMENTS FOR THE A.B. DEGREE WITH A CREDENTIAL

Credentials granted. The College customarily grants the General Elementary Credential, the combined General Elementary and Junior High School Credentials, the combined General Elementary and Kindergarten-Primary Credentials, and the Special Secondary Credential in Physical Education, either alone or in combination with one of the others. In rare cases the College grants the Junior High School Credential by itself to individuals who intend to continue without interruption study towards a General Secondary Credential. Because the Kindergarten-Primary Credential by itself is not practical in this part of the state, the College has chosen to grant it in conjunction with the General Elementary Credential, only rarely by itself.

Units required. For the A.B. degree with one credential 124 units are required. For each additional credential 12 more units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in non-professional fields of study.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is reduced to 12 units completed at this College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Fundamentals. All candidates for a credential are required to show an everyday working knowledge of the fundamental subjects in the elementary school curriculum—English grammar, arithmetic, history, geography, and spell-

ing. Standardized tests in these subjects are given in the class in Curriculum Activities (Education 133). A satisfactory score in these achievement tests is a requirement for graduation with a teaching credential.

Majors and minors. Candidates for all teaching credentials must complete a major in Education. In addition, candidates for the General Elementary Credential and the combined General Elementary and Kindergarten-Primary credentials must complete two minors. Candidates for the Special Secondary Credential in Physical Education, whether alone or in combination with another, must complete a minor in Biological Sciences and one other minor. Candidates for the Junior High School Credential, alone or in combination, must complete one teaching major and one minor. The list of available majors and minors is found on p. 38.

Scholarship. The College requires that any teaching credential candidate must have maintained a scholarship average of "C" before he or she may enroll in Education 310 (Teaching I) and Education 320, 321, 322 or 323 (student teaching courses).

In their student teaching candidates must do satisfactory work, i.e., equivalent to a grade of "C" or better. If a student teacher falls short of the required standards, he or she will be given an Incomplete and allowed another semester's trial. If the second semester's work is unsatisfactory, it may be assumed that the candidate lacks the requisite qualities for successful teaching. However, every effort is made to ascertain whether or not a candidate possesses these qualities before allowing him to undertake student teaching. Only a grade of + or F is given for student teaching; no letter grades are given. The units of the student teaching courses do not figure in the calculation of the candidate's scholarship index.

For graduation with a General Junior High School Credential a scholarship average of "C" is required in the candidate's teaching major and minor in addition to the general scholarship average of "C."

Student teaching. Before being permitted to undertake student teaching a candidate for a teaching credential must have given evidence of (a) an adequate knowledge of the fundamentals, (b) the personal qualities essential to success and desirable in a teacher, and (c) physical fitness.

Student teaching offers a highly profitable experience to the prospective teacher. In order to increase his or her chances for success and to minimize possible discouragement the student is brought gradually to his classroom responsibilities. In the preparatory courses in Education an attempt is made wherever possible to relate theory to the schoolroom activities, with the College Elementary School as the laboratory. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. The prospective teacher is enabled thereby, before undertaking supervised teaching in the Elementary School, to familiarize himself with classroom conditions, procedures, and activities, with the books and materials of the classroom, and with the habits and learning processes of children. Then, in either semester of the senior year, preferably the first, the prospective teacher teaches under trained supervisors for three hours a day. Nine weeks is spent teaching a lower grade and nine weeks an upper grade.

Concurrently with or in the semester following student teaching the prospective teacher takes Philosophy of Education, in which an effort is made to help the student formulate for himself a philosophy and ideals of education, especially in the light of the American democratic tradition.

Required courses. The courses required for the several credentials are listed, in the order of recommended sequence, in the following table:

Course Requirements for A.B. Degree with Teaching Credential

Sequence Recommended

FRESHMAN YEAR

First Semester

Subjects	Gen. Elem.	Units			Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.		
Eng. A or 1A	0 or 3	0 or 3	0 or 3		0 or 3
Biol. 10A	3	3	3		—
Educ. 1 and/or Elective	3	3	3		3
Zool. 1	—	—	—		4
Hist. 4A	3	3	3		3
P.E. 2	2	2	2		2
P.E. 5 or 15	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$		$\frac{1}{2}$
Orientation	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$		$\frac{1}{2}$
Totals	15	15	15		16

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Educ. 1 and/or Elective-----	3	3	3	--
Eng. 1A or 1B-----	3	3	3	3
Biol. 10B-----	3	3	3	--
Physiol. 1-----	--	--	--	5
Hist. 4B-----	3	3	3	3
Mus. 1-----	3	3	3	--
Art 1-----	--	--	--	2
P.E.-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Spch. 1A-----	--	--	--	3
Elective-----	3	3	3	--
Totals-----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	17

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Eng. 1B or Elective-----	3	3	3	3
Geol. 1A-----	*3	*3	*3	†*3
Econ. 1A-----	3	3	3	3
Art 1-----	2	2	2	--
Mus. 1-----	--	--	--	3
P.E. 80 (W.)-----	--	--	--	1
P.E. 26A-----	--	--	--	$\frac{1}{2}$
P.E.-----	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$
Elect. or Minor-----	4	4 (or Major)	4	2 or 3
Totals-----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16-17

* Not required if minoring or majoring in Biological Science; but recommended as an elective.

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Phys. 10-----	3	3	3	†3
Econ. 1B-----	3	3	3	3
Psych. 1-----	3	3	3	3
Spch. 1A-----	3	3	3	--
Geog. 2-----	--	--	--	2
P.E.-----	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Elect. or Minor-----	3	3 (or Major)	3	3
Mus. Exam.-----	--	--	See Advisor	--
Totals-----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15

† Candidates for the Special P.E. Credential may replace either Geol. 1A or Physics 10 with an elective.

SUMMER SESSION

Subjects	Gen. Elem.	Units		Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	
Ind. Ed. -----	--	2 or 3	2 or 3	--
Elect. or Minor -----	--	4 or 3	4 or 3	--
Totals -----	--	6	6	--

JUNIOR YEAR
First Semester

Subjects	Gen. Elem.	Units		Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	
Ed. 100 -----	3	3	3	--
Ed. 110 -----	3	3	3	3
Ed. 111 -----	--	--	3	--
Ind. Ed. 15 or 51 -----	3	3	--	--
Math. 20 -----	2	2	2	--
Geog. 2 -----	2	2	2	--
P.E. 190B -----	1	1	1	1
Ed. 192 -----	--	--	3	--
P.E. 175 -----	--	--	--	3
P.E. 192A -----	--	--	--	2
P.E. 176 -----	--	--	--	2
Elect. or Minor -----	3	3 (or Major)	--	6
Totals -----	17	17	17	17

Second Semester

Subjects	Gen. Elem.	Units		Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	
Ed. 100 -----	--	--	--	3
Ed. 111 -----	3	3	--	--
Ed. 133 -----	2	2	2	--
Ed. 134 -----	2	2	2	--
Ed. 310 -----	1	1	1	--
Art 190 -----	2	2	2	--
Mus. 190 -----	2	2	2	--
P.E. 199 -----	2	2	2	2
Ed. 193 -----	--	--	2	--
Ed. 194 -----	--	--	2	--
Ed. 195 -----	--	--	2	--
P.E. 192B -----	--	--	--	2
P.E. -----	--	--	--	$\frac{1}{2}$
Elect. and Minor -----	3	3 (or Major)	--	9
Totals -----	17	17	17	16 $\frac{1}{2}$

SUMMER SESSION

Subjects	Gen. Elem.	Units		Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	
Elect. or Minor -----	--	6 (or Major)	6	--
Totals -----	--	6	6	--

SENIOR YEAR
First Semester

Subjects	Gen. Elem.	Units		Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	
Ed. 320 -----	*8	*8	*8	--
†Biology 190 -----	2	2	2	--
Ed. 322 -----	--	--	--	2
Pol. Sci. 151 -----	--	--	--	2
P.E. 151 -----	--	--	--	4
P.E. -----	--	--	--	$\frac{1}{2}$
Elect. or Minor -----	4	4	4	6
Totals -----	14	14	14	14 $\frac{1}{2}$

* Students combining the Special P.E. Credentials with one of the general credentials should take Ed. 320 for 6 units.

† Majors and minors in Biological Sciences are not exempted from this required course.

Second Semester

Subjects	Gen. Elem.	Units		Special P.E.
		Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	
Ed. 124 -----	3	3	3	3
Ed. 137 -----	2	--	2	--
Pol. Sci. 151 -----	2	2	2	--
Ed. 172 -----	--	2	--	--
Ed. 321 -----	--	--	6	--
Ed. 111 -----	--	--	--	3
Ed. 323 -----	--	--	--	2 or 4
P.E. 198 -----	--	--	--	2
P.E. -----	--	--	--	$\frac{1}{2}$
Elect. or Minor -----	9	6	3	3
Major -----	--	3	--	--
Totals -----	16	16	16	13 $\frac{1}{2}$ -15 $\frac{1}{2}$
Grand totals -----	124	136	136	124-126

In those rare cases when a student is permitted to work for the Junior High School Credential alone, he will follow the same course as outlined in the combined General Elementary-Junior High School Credential, less 12 elective units.

If the Special Physical Education Credential in combination with either the General Elementary or General Elementary-Junior High School Credential is desired, the requirements peculiar to the Special Physical Education Credential are added to the requirements common to it and its companion credential, the total units required for the combined credentials being 136.

MAJOR REQUIREMENTS**ALL UPPER DIVISION**

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 100-----	3 units	Ed. 133-----	2 units
Ed. 110-----	3 units	Ed. 134-----	2 units
Ed. 124-----	3 units	Ed. 310-----	1 unit
		Ed. 320-----	8 units

Additional requirements for specific credentials are as follows:

<i>General Elementary</i>	<i>General Junior High School</i>	<i>Kindergarten-Primary</i>
Ed. 111----- 3 units		Ed. 111----- 3 units
Ed. 137----- 2 units		Ed. 137----- 2 units
	Ed. 172----- 2 units	
		Ed. 192----- 3 units
		Ed. 193----- 2 units
		Ed. 194----- 2 units
		Ed. 195----- 2 units
		Ed. 321----- 6 units

Total units required

For General Elementary alone-----	27 units
For General Junior High School (rarely given alone)-----	24 units
For General Elementary-Junior High School-----	29 units
For General Elementary-Kindergarten-Primary-----	42 units

DESCRIPTION OF COURSES*Education***LOWER DIVISION****1. Teaching Orientation (fall, spring) 1 unit**

Provides the prospective teacher with an opportunity to observe actual classroom procedures in the College Elementary School. Its purpose is to help the student determine early in his college career whether or not he should pursue a Teacher Education curriculum.

Two one-hour class periods and one noon-hour of play observation and participation per week.

UPPER DIVISION**100. Introduction to Education (fall, spring) 3 units**

This course aims to give prospective teachers at the beginning of their professional training a broad outlook of the American system of education.

Three one-hour periods per week.

110. Introduction to Educational Psychology (fall, spring) 3 units

The learning activity of the individual from the standpoint of both the learner and the teacher. The psychological principles involved in the teaching of subject matter as well as in extra-instructional activities involved under actual teaching conditions and procedures. The psychological values of visual education.

Prerequisite: Psychology 1.

Three one-hour periods per week.

111. Growth and Development of the Child (fall, spring) 3 units

A study of the psychological as well as the social development of the child including important aspects of mental hygiene involved in intellectual and emotional growth. The interrelationship of home, school, and community factors in child development is stressed.

A study of health supervision, environment, and methods of instruction as a basis for developing the school health program.

The course requirements include personal study of a child.

Three one-hour periods per week.

124. Philosophy of Education (fall, spring) 3 units

The major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. Curriculum Activities (fall, spring) 2 units

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.

Taken in conjunction with Education 134 and 310.

Two one-hour periods per week.

134. Reading in the Elementary School (fall, spring) 2 units

Provides the prospective teacher with definite activities for the teaching of reading in the modern elementary school.

Taken in conjunction with Education 133 and 310.

One two-hour period per week.

137. Rural Education (fall, spring) 2 units

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Two one-hour periods per week.

172. Principles of Junior High School Education (spring) 2 units

This course deals with the principles underlying the organization, administration, and curriculum of the junior high school. Particular stress is placed on the peculiar problems involved in teaching adolescent children.

Two one-hour periods per week.

186. Personal and Professional Adjustment of the Teacher (spring) 2 units

This course is planned primarily for seniors doing their last semester of work. It includes a consideration of the following: legal aspects of teaching, adjustment of the teacher to the social environment, professional ethics, educational organizations, contemporary educational problems, securing a job, professional growth, and hygiene of the teacher.

Two one-hour periods per week.

192. Curriculum for the Kindergarten-Primary Grades (fall) 3 units

A study of the curriculum, materials and teaching techniques in the Kindergarten-Primary grades. Observation of children and lessons taught for demonstration.

Two one-hour periods and one one-hour observation period per week.

193. Art in the Kindergarten-Primary Grades (spring) 2 units

Aims, organization and procedures in the teaching of fine and industrial arts in the Kindergarten-Primary grades.

Two one-hour periods per week.

194. Literature and Story Telling in the Kindergarten-Primary Grades (spring) 2 units

A study of the selection and teaching of literature in the Kindergarten-Primary grades. The principles and practice of story telling in these grades.

Two one-hour periods a week and participation.

195. Rhythms and Games in the Kindergarten-Primary Grades (spring) 2 units

Aims, organization and procedures in the teaching of songs, rhythms, rhythm band and games in the Kindergarten-Primary grades.

Two one-hour periods per week and participation.

310. Teaching I (fall, spring) 1 unit

Observation and participation in classroom procedures; guidance of the growth and development of individuals and groups.

Taken in conjunction with Education 133 and 134.

Two one-hour periods per week.

320. Teaching II (fall, spring) 8 units

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary or Junior High Credential.

321. Kindergarten-Primary Teaching (fall, spring) 6 units

Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary Credential.

322. Elementary Physical Education Teaching (fall, spring) 2 units

Students teach physical education daily in grades three to eight in the College Elementary School.

323. Secondary Physical Education Teaching (fall, spring) 2 or 4 units

Students teach physical education daily one or two hours in a local secondary school.

Prerequisite: Education 322.

324. College Physical Education Teaching (fall, spring) 1 unit

Students assist in college physical education activity classes.

Prerequisites: Education 322 or 323 and recommendation of the Department of Physical Education.

Two one-hour periods per week.

330. Teaching III (fall, spring) 2 or 3 units

This course provides an opportunity for students of exceptional ability to do advanced teaching which may include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

**†388. Principles and Objectives of Scouting and Other
Types of Boys' Work (fall) 2 units**

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

†389. Camp Fire Leaders' Training Course (spring) 1 unit

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

Psychology

1. General Psychology (fall, spring) 3 units

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

† Offered when there is a sufficient demand.

ENGLISH

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ENGLISH

LOWER DIVISION

	<i>Units</i>
English -----	12
(See tabulation of major requirements below.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 37.)	
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Philosophy	
Year course -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
History 4A-4B (History of Western Civilization) -----	6
Additional Social Science -----	8

UPPER DIVISION

English -----	24
(See tabulation of major requirements below.)	
Political Science	
151 (American National Government) -----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN ENGLISH

The requirements for this degree are the same as those for the liberal arts A.B. degree in English, with these additional requirements:

- (a) Education (upper division) ----- 6 units
 - (b) One of the minors must be completed in a subject field taught in high school.
 - (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 36.
- The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Recommended: Eng. 56A-56B.
Upper Division-----	Eng. 117-----3 units Eng. 151-----3 units Additional U. D. English-----18 units	12 units U. D. English. Recommended: Eng. 106-----3 units Eng. 115-----3 units Eng. 117-----3 units Eng. 130-----3 units	6 units U. D. English. Recommended: Eng. 106-----3 units Eng. 115-----3 units
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

A. Pre-college English (fall, spring) **No college credit**

Drill in the mechanics of composition. Required of all students who do not pass the entrance test in composition.

Two one-hour periods per week.

1A. English Composition (fall, spring) **3 units**

Weekly practice in writing exposition. Outlining, paragraph development, discovery and use of library resources.

Prerequisite: Passing grade in English A entrance test or in English A course.

Three one-hour periods per week.

1B. English Composition and Literature (fall, spring) **3 units**

Further practice in writing and an introduction to the study of literature.

Prerequisite: English 1A.

Three one-hour periods per week.

29. Verse Choir (spring) **1 unit**

See Speech 29.

50. Directed Reading (fall, spring) **1 unit**

A collaboration in literary appreciation. This course is planned as a series of informal weekly group meetings with one objective, the enjoyment of literature. Students' interests will be the basis of reading and discussion; therefore, use will be made of the classics and of recent and contemporary literature.

One one-hour period per week.

56A. Survey of English Literature (fall) **3 units**

The beginning of English literature and the main aspect of its development down to the Restoration (1660).

Prerequisite: English 1B.

Three one-hour periods per week.

56B. Survey of English Literature (spring) 3 units

The leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. News Writing (fall, spring) 3 units

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Prerequisite: English 1A or consent of the instructor.

Three one-hour periods per week.

61. News Reporting (fall, spring) 3 units

Prerequisite: English 60.

Three one-hour periods per week.

UPPER DIVISION

English 1A-1B is prerequisite to all upper division courses in English, except English 191. In certain cases an upper division student who is not taking a major or minor in English may, with the consent of the Department, elect some of the following courses without the foregoing requirement.

106. Verse Forms (fall) 3 units

A survey of the development of English verse forms, with practice in metrical analysis, and an application of knowledge acquired to modern poetry.

Three one-hour periods per week.

***115. The English Language (spring) 3 units**

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. Shakespeare (spring) 3 units

An intensive study of a few of Shakespeare's plays and a rapid reading of some others.

Three one-hour periods per week.

129. Verse Choir (spring) 1 unit

See Speech 29 or 129.

***130A. American Literature (fall) 3 units**

A brief survey of Colonial and Revolutionary literature; a study of major writers of the nineteenth century to 1870.

Three one-hour periods per week.

* Not given 1940-41.

191. Children's Literature (fall)**2 units**

A survey and comprehensive study of the various phases of children's literature for grades one through eight. Designed to familiarize students with the content and types of literature suitable for use in different grades, to develop some personal appreciation of the material, and to give methods of applying it. (Not applicable to a major or minor in English.)

Prerequisite: Upper division status only.

Two one-hour periods per week.

The following courses will be offered over a period of two years if necessary, the needs of the students enrolling in upper division English to determine just which courses will be given.

125C. The English Novel to 1832**3 units**

The course studies the English novel from Richardson through the early nineteenth century. Ten novels will be reported on by students, three studied by class. Prefaced to the survey is a consideration of the forerunners of the novel. The course includes a study of the novel as a literary form, as well as a more minute analysis of the great novels.

Three one-hour periods per week.

151. Chaucer.**3 units**

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. English Literature from 1557 to 1660**3 units****157. English Literature from 1660 to 1780****3 units****158. English Literature from 1780 to 1832****3 units****159. English Literature from 1832 to 1900****3 units**

DIVISION OF SPEECH AND DRAMATICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SPEECH AND DRAMATICS

LOWER DIVISION

	<i>Units</i>
Speech -----	12
(See tabulation of major requirements below.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 37.)	
English -----	12
1A-1B (Composition and Literature) -----	6
56A-56B (Survey of English Literature) -----	6
Foreign language -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of this requirement may be satisfied by upper division courses.)	
Philosophy -----	
6A-6B (Introduction to Philosophy) -----	6
Physical Education -----	
Activities (to include approved courses in dancing) -----	2
Psychology -----	
1 (General Psychology) -----	3
Social Sciences -----	14
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6
Geog. 2 (Cultural and Regional Geography) -----	2

UPPER DIVISION

Speech -----	18
(See tabulation of major requirements below.)	
English -----	6
(Consult Division of Speech concerning choice of courses.)	
Education -----	6
Political Science -----	
151 (American National Government) -----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SPEECH AND DRAMATICS

The requirements for this degree are the same as those for the liberal arts A.B. degree in Speech and Dramatics, with these additional requirements:

- (a) One of the minors must be completed in a subject field taught in high school.
- (b) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 36.

The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Speech 1A-1B__6 units 6 units chosen from: Speech 2A-2B__6 units Speech 10____3 units Speech 25__1 to 6 units	Speech 1A____3 units Speech 2A____3 units 6 units chosen from: Speech 1B____3 units Speech 2B____3 units Speech 10____3 units Speech 25__1 to 6 units	6 units of L. D. Speech
Upper Division-----	Speech 102____3 units Speech 120A____3 units Speech 155A- 155B____6 units Other courses by arrangement__6 units English _____6 units (To be chosen in con- sultation with Di- vision of Speech.)	Speech 102____3 units Speech 155A____3 units Other courses by arrangement__6 units	6 units of U. D. Speech
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Public Speaking (fall, spring) 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. Public Speaking (fall) 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice is provided in extemporaneous speaking and debate.

Three one-hour periods per week.

2A-2B. Expression and Interpretation (year) 3-3 units

This basic course in voice training and in the art of oral expression teaches the fundamental laws of interpretation and the manifestation of these principles through natural expression.

Three one-hour periods per week.

10. Technique of Acting (spring) 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Three one-hour periods per week.

25A, B, C, D. Dramatic Workshop (fall, spring) 1 or 2 units

A laboratory course in acting and in the technical practices of the stage, including construction of sets, stage lighting, theatrical costume and make-up. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance.

Three two-hour periods per week.

Fee, \$0.75.

29 or 129. Verse Choir (spring) 1 unit

Choral speaking of verse as a means of acquiring an understanding and appreciation of poetry. A course especially useful for prospective teachers. For upper division credit additional work will be required.

One one-hour period per week.

UPPER DIVISION**102. Phonetics and Speech Training (spring) 3 units**

Principles of phonetics; study of English pronunciation, based chiefly on contemporary American usage; practice in phonetic analysis; elementary principles of speech correction and improvement.

Three one-hour periods per week.

120A. Advanced Dramatics (fall, spring) 3 units

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Three one-hour periods per week.

125A, B, C, D. Advanced Dramatic Workshop (fall, spring) 1 or 2 units

A course of the same character as Speech 25 for advanced students. Prerequisite: Speech 1A-1B or consent of the instructor.

Three two-hour periods per week.

Fee, \$0.75.

129. Verse Choir (spring) 1 unit

See Speech 29.

155A. Play Production (fall) 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. Play Production (spring) 3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

HOME ECONOMICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN
HOME ECONOMICS

LOWER DIVISION

	<i>Units</i>
Home Economics -----	14
(See tabulation of major requirements below.)	
Art -----	5
1 (Art Structure) -----	2
5 (Design) -----	3
Biological and Physical Sciences -----	15
Bacteriology 1 (General Bacteriology) -----	4
Biology 10A (General Biology) -----	3
Chemistry 1A (General Chemistry) -----	5
Chemistry 108 (Organic Chemistry) -----	3
(Part of this requirement, in the lower division, may be satisfied in high school. See p. 37.)	
English	
1A-1B (Composition and Literature) -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	12
Economics 1A-1B (Principles of Economics) -----	6
History 4A-4B (History of Western Civilization) -----	6
Speech	
1A (Public Speaking) -----	3

UPPER DIVISION

Home Economics -----	24
(See tabulation of major requirements below.)	
Education -----	6
110 (Educational Psychology) -----	3
111 (Growth and Development of the Child) -----	3
Political Science	
151 (American National Government) -----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

MAJOR AND MINOR REQUIREMENTS

		<i>Liberal Arts Major in Home Economics</i>	<i>Liberal Arts Major in Allied Arts</i>
Lower Division	Home Econ. 1A-1B-----	6 units	12 units of L. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 52.
	Home Econ. 3-----	2 units	
	Home Econ. 10A-10B-----	6 units	
	Recommended electives:		
	Home Econ. 11-----	2 units	
	Home Econ. 20-----	2 units	
Upper Division	Home Econ. 120-----	3 units	12 or more units of U. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 52.
	Home Econ. 140-----	3 units	
	Home Econ. 150-----	2 units	
	Home Econ. 160-----	2 units	
	14 units chosen from—		
	Home Econ. 101-----	3 units	
	Home Econ. 122-----	2 units	
	Home Econ. 130-----	3 units	
	Home Econ. 133-----	2 units	
	Home Econ. 144-----	3 units	
	Home Econ. 145-----	1 unit	
	Home Econ. 184-----	3 units	
Total units required		38 units	Minimum of 24 units

		<i>Junior High School Major in Home Economics</i>	<i>Home Economics Minor</i>
Lower Division	Elect Group A or Group B.		Elect Group A or Group B.
	Group A		Group A
	Home Econ. 1A-1B-----	6 units	Home Econ. 1A----- 3 units
	Home Econ. 10A-10B-----	6 units	Home Econ. 11----- 2 units
			Home Econ. 20----- 2 units
	Group B		Group B
	Home Econ. 1A-1B-----	6 units	Home Econ. 1A----- 3 units
	Home Econ. 3-----	3 units	Home Econ. 3----- 2 or 3 units
	Home Econ. 11-----	2 units	Home Econ. 11----- 2 units
	Home Econ. 20-----	2 units	
Upper Division	12 units chosen from—		6 units chosen from—
	Home Econ. 101-----	3 units	Home Econ. 101----- 3 units
	Home Econ. 120-----	3 units	Home Econ. 122----- 2 units
	Home Econ. 122-----	2 units	Home Econ. 130----- 3 units
	Home Econ. 130-----	3 units	Home Econ. 190----- 2 units
	Home Econ. 140-----	3 units	
	Home Econ. 150-----	2 units	
	Home Econ. 190-----	2 units	
Total units required		24-25 units	13-14 units

DESCRIPTION OF COURSES**LOWER DIVISION****1A-1B. Clothing Construction (year) 3-3 units**

First semester: Laboratory work directed towards the development of good technique in clothing construction processes; use of sewing machines and hand stitches; selection and alteration of commercial patterns; correct fitting methods; use of cotton, linen, and rayon fabrics in making garments.

Second semester: Continuation of the work of the first semester. Development of more difficult technique in construction, alteration, and designing of garments. Emphasis on use of silk and woolen fabrics and on original design.

One one-hour lecture and two three-hour laboratory periods per week.
Both Home Economics 1A and 1B are given each semester.

3. Clothing Design and Textiles (spring) 2 or 3 units

A study of clothing as an expression of personality and good taste in dress, with a study of the elements of design and color as related to the selection of clothing. Individual color types and figure problems considered. Emphasis on clothing budgets and buying problems.

Two or three one-hour periods per week.
Fee, \$.75.

5. Textile Handcraft (fall, spring) 3 units

Weaving and handloom operations; types of needlecraft and handwork; special studies in handwork hobbies.

Three one-hour periods per week.

10A-10B. Food Study (year) 3-3 units

First semester: A scientific study of the composition and preparation of foods; food experiments; analysis of recipes and cookery processes and their application to meal preparation.

Second semester: Continuation of the work of the first semester. Emphasis on the planning, marketing, preparing, and serving of meals.

Prerequisite: Chemistry 1A-1B.

One one-hour lecture and two three-hour laboratory periods per week.
Fee, \$3.00 each semester.

11. Hostess Training (fall) 2 units

The planning, preparation, and serving of meals for various occasions; types of meal service and etiquette involved. Open to all students.

One one-hour lecture and one three-hour laboratory period per week.
Fee, \$2.50.

***20. Elementary Nutrition and Foods (spring) 2 units**

Designed especially for pre-Nursing majors and Home Economics minors. A study of elementary nutrition, with practice in food preparation and menu planning.

One one-hour lecture and one three-hour laboratory period per week.
Fee, \$2.50.

* Not given 1940-41.

- 43. Architectural Drafting and Home Planning (spring)** **2 or 3 units**
See Industrial Education 13.
- 45. Flower Arrangement (spring)** **1 unit**
See Art 20.

UPPER DIVISION

- *101. Advanced Clothing and Design (fall)** **3 units**
Designed especially for minors in Home Economics. Lectures on and laboratory practice in clothing construction and design, with emphasis on originality and adaptation to the different types of figures. Use of woolen and silk materials.
Prerequisites: Home Economics 1A and 3.
One one-hour lecture and two three-hour laboratory periods per week.
Fee, \$.25.
- 102. Applied Design (spring)** **3 units**
See Art 102. Emphasis is on the design of the ornamentation of clothing.
- *120. Nutrition and Dietetics (fall)** **3 units**
The fundamentals of human nutrition and the nutritive properties of foods, with application to the feeding of individuals and special groups; dietaries on limited incomes.
Prerequisite: Home Economics 10A-10B.
Two one-hour lecture and two two-hour laboratory periods per week.
Fee, \$3.00.
- 122. Nutrition Work with Children (fall)** **2 units**
The nutritional needs of children of school age; methods of judging good and poor nutrition in children; causes and prevention of malnutrition; formation of desirable food habits; problems of the school lunch-room. Open to all teaching credential candidates.
Two one-hour periods per week.
Fee, \$1.00.
- *130. Household Administration** **3 units**
A study of household equipment, both large and small; its placing and care. Management factors in household tasks with respect to the time element. Health of the family and home care of the sick.
Prerequisite: Consent of the instructor.
Three one-hour periods per week.
- *133. Family Economics** **2 units**
A study of the economics of family life, with emphasis on management of personal and family finances; problems of budgeting and purchase of household equipment; the legal problems involved in home ownership and management.
Prerequisite: Consent of the instructor.
Two one-hour periods per week.

* Not given 1940-41.

***140. Home Decoration and Furnishing 3 units**

The principles of art as applied to home furnishing problems. Objective is to develop intelligent judgment in selection of furnishings from the standpoint of art, economy, and comfort.

Prerequisite: Art 1.

Three one-hour periods per week.

***144. Ornamental Plants (spring) 3 units**

See Botany 104.

145. Flower Arrangement (spring) 1 unit

See Art 20 or 120.

***150. Child Care and Training 2 units**

The development of the child from the prenatal period and birth through the pre-school age. Observation of children.

Prerequisite: Education 111 (may be taken concurrently).

Two one-hour periods per week.

***160. Social Problems of the Family 2 units**

A study of the family as an institution and the social conditions affecting American family life.

Prerequisite: Consent of the instructor.

Two one-hour periods per week.

***184. Marketing (fall) 3 units**

See Commerce 134.

190. Homemaking Problems in the Elementary School (spring) 2 units

This course is designed to acquaint the elementary teacher minoring in Home Economics with homemaking procedures that can be adapted for use in the elementary grades in correlation with a given unit of work.

Two one-hour periods per week.

Fee, \$1.00.

* Not given 1940-41.

INDUSTRIAL EDUCATION
MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts Major in Allied Arts</i>	<i>Junior High School Major in Industrial Education</i>
Lower Division	12 units of L. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 52.	Ind. Educ. 7A----- 2 units Ind. Educ. 51*----- 3 units Additional L. D. Ind. Educ. ----- 7 units
Upper Division	12 units or more of U. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 52.	Ind. Educ. 101----- 3 units Ind. Educ. 130----- 2 units Additional U. D. Ind. Educ. ----- 7 units
Total units required	Minimum of 24 units	24 units

	<i>General Elementary</i>	<i>Junior High School and Pre-Secondary</i>
Lower Division	Ind. Educ. 15----- 3 units 3 or more units chosen from— Ind. Educ. 5----- 2 or 3 units Ind. Educ. 6----- 2 units Ind. Educ. 7A----- 2 units Ind. Educ. 12----- 3 units Ind. Educ. 51----- 3 units Art 6 ----- 2 or 3 units	Ind. Educ. 7A----- 2 units Ind. Educ. 51*----- 3 units 4 or more units chosen from— Ind. Educ. 5----- 2 or 3 units Ind. Educ. 12----- 3 units Ind. Educ. 13----- 2 or 3 units Ind. Educ. 15----- 3 units Art 6 ----- 2 or 3 units
Upper Division	Ind. Educ. 191----- 2 units 4 or more units chosen from— Ind. Educ. 101----- 2 or 3 units Ind. Educ. 105----- 2 units Ind. Educ. 112----- 2 or 3 units Ind. Educ. 123----- 3 units Ind. Educ. 124----- 2 or 3 units Ind. Educ. 130----- 2 units	Ind. Educ. 130----- 2 units Ind. Educ. 191----- 2 units 5 or more units chosen from— Ind. Educ. 101----- 2 or 3 units Ind. Educ. 103----- 2 or 3 units Ind. Educ. 105----- 2 units Ind. Educ. 112----- 2 or 3 units Ind. Educ. 125----- 3 units
Total units required	12 units	18 units

* Industrial Education 51 will be waived as a subject requirement for students who have had two years of high school manual training.

DESCRIPTION OF COURSES

LOWER DIVISION

5. Pottery (fall) 2 or 3 units

An interesting course in an age-old industry. Designing, casting, throwing, modeling, glazing, and firing.

Two or three three-hour periods per week.
Fee, \$1.00 per unit.

6. Cement and Concrete Work (spring) 2 units

Theory and practical application of concrete work, including ornamental cement.

Two three-hour periods per week.

7A. Mechanical Drawing (fall) 2 units

A fundamental course in mechanical drawing which covers orthographic, isometric, and cabinet projections, intersection of solids, sections, screws and threads, cams, blue prints, etc.

Three two-hour periods per week.

7B. Advanced Mechanical Drawing (fall) 2 units

An advanced course in mechanical drawing intended primarily for students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Prerequisite: Industrial Education 7A or its equivalent in high school.

Three two-hour periods per week.

12. Metal Arts (spring) 3 units

The application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. Architectural Drafting (spring) 2 or 3 units

A beginning course in the fundamentals of house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in mechanical drawing either in high school or college is advisable as background.

Two or three three-hour periods per week.

15. Rural School Handwork and Toycraft (fall, spring) 3 units

A course in the use of native materials and waste products applicable to the elementary grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the kinds of work done. Required of all women candidates for a credential.

Three one-hour class periods and six hours of outside work per week.

51. Fundamentals of Industrial Education (fall, spring) 3 units

The fundamentals of industrial education in terms of teaching industrial arts in the elementary grades. Covers methods, courses of study, construction of objects of the elementary grades level, and care and use of equipment. Required of all men candidates for a teaching credential.

Three three-hour periods per week.

UPPER DIVISION**101. Advanced Woodworking (spring) 2 or 3 units**

Building of boats, airplane gliders, and large pieces of similar nature.

Prerequisite: Industrial Education 51 or its equivalent.

Two or three three-hour periods per week.

103. The Art of House Design (fall) 2 or 3 units

A thorough-going study of home planning and building in which an entire house is planned in structure and furnishings.

Prerequisite: Industrial Education 13.

Two or three three-hour periods per week.

105. Advanced Pottery (fall) 2 units

Study of the problems involved in pottery making, from the standpoint of both teaching and business. Designing, decorating, throwing, packing, firing of the kiln are a few of the subjects studied.

Prerequisite: Industrial Education 5.

Two three-hour periods per week.

- 112. Advanced Metal Arts** (spring) **2 or 3 units**
An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, and other metals.
Prerequisite: Industrial Education 12.
Two or three three-hour periods per week.
- 113. Machine Shop Practice** (spring) **2 units**
The use and operation of the common machines, with practical application to everyday life.
Prerequisite: Upper division status or consent of the instructor.
Two three-hour periods per week.
- 114. Forging and Welding** (spring) **2 units**
Practical application of forging and welding with special emphasis on tool making and tempering.
Prerequisite: Upper division status or consent of the instructor.
Two three-hour periods per week.
- 123. Pattern Making and the Theory of Foundry Practice** (fall) **3 units**
A study in the basic principles of foundry practice and pattern-making. The construction of simple patterns, and casting in softer metals.
Prerequisite: Industrial Education 51 or its equivalent.
Three three-hour periods per week.
- 124. Advanced Cabinet and Other Wood Construction** (fall) **2 or 3 units**
Advanced course in woodwork designed for students interested in teaching or in problems of advanced construction.
Prerequisite: Industrial Education 101.
Two or three three-hour periods per week.
- 125. Carpentry** (spring) **3 units**
A study of house construction in which houses in miniature are built to illustrate construction problems. Recommended as a suitable course to follow Industrial Education 103.
Prerequisite: Industrial Education 51 or its equivalent.
Three three-hour periods per week.
- 130. Industrial Arts Design** (spring) **2 units**
Theory and practice in the designing of objects in the industrial arts and their decoration.
Prerequisite: Industrial Education 7A.
Two one-hour lecture and two two-hour laboratory periods per week.
- 191. Management and Equipment of School Shops** (spring) **2 units**
A course in the objectives, methods, and content of shop programs for the grade schools. Intended for students majoring in Industrial Education.
Prerequisite: Industrial Education 51 and upper division status.
Two one-hour periods per week.

MATHEMATICS AND PHILOSOPHY

MINOR REQUIREMENTS

<i>Minor in Mathematics</i>	
Lower Division	Prerequisites (may be satisfied in high school) Elementary Algebra Intermediate Algebra Plane Geometry Plane Trigonometry Mathematics 3A-3B ----- 6 units
Upper Division	Mathematics 104A-104B ----- 6 units
Total units required	In addition to prerequisites: 12 units

DESCRIPTION OF COURSES

Mathematics

LOWER DIVISION

C. Trigonometry (fall) 3 units

Plane trigonometry and spherical right triangles.

Prerequisite: Plane geometry and one and one-half years of high school algebra or Mathematics 1.

Three one-hour periods per week.

E. Solid Geometry (spring) 2 units

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

1. Intermediate Algebra (fall) 3 units

Quadratic equations; exponents and radicals; practice in the use of logarithms; theory of equations; elementary determinants; progressions; and the binominal theorem.

Prerequisite: One year of high school algebra or general mathematics.

Three one-hour periods per week.

2. Mathematics of Finance (fall) 3 units

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance.

Prerequisite: Two years of high school algebra or Mathematics 1.

Three one-hour periods per week.

3A-3B. Plane Analytic Geometry and Calculus (year) 3-3 units

First semester: Cartesian and polar equations of the straight line; conic sections; and general equations of the second degree.

Second semester: Plane analytics continued. Differential calculus and an introduction to integral calculus.

Prerequisite: High school algebra, plane geometry, and trigonometry.

Three one-hour periods per week.

8. College Algebra (spring)**3 units**

Theory of equations; determinants; equations of third and fourth degrees.

Prerequisite: Mathematics 3A.

Three one-hour periods per week.

20. Mathematics of the Elementary School (fall, spring)**2 units**

Operations and principles essential to the manipulation of fractions, equations, and formulae, with application to design, graphics, statistics, investment, and engineering.

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

21. Introduction to Business Mathematics (spring)**3 units**

Principles of business mathematics; simple and compound interest; simple, successive, and bank discount; profit; loss; tax rates; annuities; graphs with practical applications.

Three one-hour periods per week.

40. Elementary Statistical Methods (spring)*3 units**

Theory and uses of statistical methods. Practice in tabular and graphical representation of data. Measures of central tendency, relationships, and dispersion. Coefficients, index numbers, time series, and other forms of statistical calculations based on practical relevant data. Use of calculating machines encouraged.

It is recommended that students taking this course consult the instructor concerning the adequacy of their mathematical background.

Three one-hour periods per week.

UPPER DIVISION**104A-104B. Integral Calculus and Solid Analytics (year)****3-3 units**

First semester: Continues the development and application of the calculus. Infinite series, partial derivatives.

Second Semester: Quadratic surfaces and multiple integration.

Prerequisite: Mathematics 3A-3B.

Three one-hour periods per week.

Civil Engineering**1A-1B. Plane Surveying (year)****3-3 units**

Principles, field practice, calculations, and mapping.

Prerequisite: Plane trigonometry and Industrial Education 7A or its equivalent.

Two one-hour lecture and one three-hour laboratory periods per week.

* Not given 1940-41.

†2. Descriptive Geometry**3 units**

The principles of descriptive geometry and their application to engineering problems. Required for engineering and based on the course given at the University of California.

Prerequisite: Industrial Education 7A or its equivalent.

Three one-hour lecture and three two-hour drafting periods per week.

Philosophy**6A-6B. Introduction to Philosophy (year)****3-3 units**

First semester: An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources, including the philosopher-poets and contemporary writers.

Second semester: A special consideration of the basic problems of philosophy, including historical references to solutions presented in the past.

Three one-hour periods per week.

MODERN LANGUAGES**MINOR REQUIREMENTS**

<i>Minor in French</i>	
Lower Division	Prerequisites: French A-B or two years of high school French
	French C ----- 3 units
	French D ----- 3 units
Upper Division	French 105A-105B ----- 6 units
Total units required	In addition to prerequisites: 12 units

DESCRIPTION OF COURSES***French*****LOWER DIVISION****A. Elementary French (fall)****3 units**

Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Three one-hour periods per week.

B. Elementary French (spring)**3 units**

Continuation of French A.

Prerequisite: French A or one year of high school French.

Three one-hour periods per week.

† Offered if sufficient demand.

- C. Intermediate French (fall) 3 units**
Reading course.
Prerequisite: French B or two years of high school French.
Three one-hour periods per week.
- D. Intermediate French (spring) 3 units**
Continuation of French C.
Prerequisite: French C or three years of high school French.
Three one-hour periods per week.
- 5A-5B. Advanced French (year) 3-3 units**
Reading course.
Prerequisite: French D or four years of high school French.
Three one-hour periods per week.
- 6A-6B. French Grammar (year) 1-1 unit**
Grammar and composition.
Prerequisite: French B or two years of high school French.
One one-hour period per week.
- 7A-7B. French Activities (year) 1-1 unit**
Conversation, oral reports, songs, plays.
Prerequisite: French B or two years of high school French.
One one-hour period per week.

UPPER DIVISION

- 105A-105B. French Literature (year) 3-3 units**
A survey of French literature from the 13th century to the present time. Extensive reading of works of representative authors of all periods.
Prerequisite: French D or four years of high school French.
Three one-hour periods per week.

Spanish

- A. Elementary Spanish (fall) 3 units**
Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
Three one-hour periods per week.
- B. Elementary Spanish (spring) 3 units**
Continuation of Spanish A.
Prerequisite: Spanish A or one year of high school Spanish.
Three one-hour periods per week.

Music

MINOR REQUIREMENTS

<i>Choral Minor</i>			<i>Instrumental Minor</i>		
Lower Division	Piano Test		Piano Test		
	Music 1 -----	3 units	Music 1 -----	3 units	
	Music 2 -----	2 units	Music 3A or 3B -----	3 units	
	Music 3A or 3B -----	3 units	Music 10A, B or		
	Music 5A, B (W.) } -----		Applied Piano -----	1 unit	
	Music 6A, B (M.) } -----	1 unit	Music 51, 52, or		
	or Music 7 -----		53 (two courses) -----	4 units*	
Upper Division	Music 105A, B (W.) } -----		Music 110A, B -----	1 unit	
	Music 106A, B (M.) } -----	1 unit	Music 109 -----	2 units	
	or Music 107 -----		Music 192 -----	3 units	
	Music 109 -----	2 units			
	Music 192 -----	3 units			
Total units required		15 units		17 units	

* To be taken in two orchestral sections in which student has not had training.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Musicianship (fall, spring) 3 units

Elementary work in ear training, sight singing, and piano keyboard; designed to give the fundamentals of music in a direct and concise manner.

Required for all students working toward a teaching credential. Music majors not eligible.

Three one-hour periods per week.

2. Ear Training and Sight Singing (fall, spring) 2 units

Designed to give a thorough foundation in pitch, rhythm, and harmony in the major and minor modes. These elements are presented through musical-tonal and rhythmical dictation, sight singing, and melodic writing. It emphasizes the chordal basis of melodies in both classic and modern harmonies.

Prerequisite: Music 1.

Three one-hour periods per week.

3A. Music History and Appreciation (fall) 3 units

History of instrumental music composers and the development of instrumental music forms. It comprises a study from the beginning of the fantasia, the fugue, the sonata, the symphonic poem, and the symphony.

Three one-hour periods per week.

3B. Music History and Appreciation (spring) 3 units

History of vocal music composers and the development of vocal music forms. It comprises a study of the opera, the oratorio, and the art song.

Emphasis is placed upon hearing representative music of each type.

Three one-hour periods per week.

4A-4B. Beginning Harmony (year)**3-3 units**

First semester: Study of scale structure, intervals, primary chords and inversions, and writing of four-part harmony. Harmonization of given and original melodies. Includes one hour of keyboard harmony per week.

Second semester: Secondary triads, nonharmonic tones, seventh chords and inversions, harmonic analysis, modulation. Includes one hour of keyboard harmony per week.

Three one-hour periods per week.

8. Beginning Voice Technique (fall, spring)**1 unit**

Designed to help students develop an easier singing and speaking voice.

Restricted to prospective teachers and to be taken simultaneously with or after Music 190.

One one-hour period per week.

14A-14B. Intermediate Harmony (year)**3-3 units**

First semester: Altered chords, original composition, modulation, and ninth chords. Includes one hour of keyboard harmony per week.

Second semester: Augmented sixth chords, more difficult modulations, whole-tone scale, secondary dominant formations. Includes one hour of keyboard harmony per week.

Prerequisite: Music 4A-4B.

Three one-hour periods per week.

15. Introductory Music Reading—Piano (fall, spring)**1 unit**

This course includes work for those who wish to learn to play simple songs and rhythmic compositions. It is also open to students wishing to continue piano work.

One one-hour period per week.

51. String Instruments (fall)**2 units**

Violin, viola, 'cello, string bass. Study and practice of one or more of the stringed instruments supplemented by a study of arranging for stringed instruments, teaching methods, and the elementary physics of sound.

One two-hour period per week.

52. Brass Instruments (spring)**2 units**

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

One two-hour period per week.

53. Woodwind Instruments (fall)**2 units**

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

One two-hour period per week.

UPPER DIVISION

- 109. Conducting (spring) 2 units**
Interpretation and baton technique as applied to choral and instrumental ensembles.

Prerequisite: Music 1.

Two one-hour periods per week.

- 190. Practicum in Music (fall, spring) 2 units**

Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences. (Not applicable to a minor in Music.)

Prerequisite: Music 1.

Two one-hour class and two one-hour observation periods per week.

- 192. Music Literature and Methods (fall) 3 units**

An intensive study of musical literature. Provides a procedure for using such materials in the varying grade levels from the first grade to the junior high school, with emphasis upon the needs in the junior high school level.

Prerequisite: Music 1.

Three one-hour periods per week.

Musical Organizations

- 5A, B; 105A, B, C, D, E, F. Women's Glee Club (fall, spring) ½ unit**

Study of three- and four-part choral compositions; voice development; interpretation; building repertoire; and public appearance.

Prerequisite to Music 105: Music 5A, B.

Two one-hour periods per week.

Fee, \$.75.

- 6A, B; 106A, B, C, D, E, F. Men's Glee Club (fall, spring) ½ unit**

Study of four-part choral compositions; voice development; interpretation; public appearance; and building of well-balanced programs.

Prerequisite to Music 106: Music 6A, B.

Two one-hour periods per week.

Fee, \$.75.

- 7; 107A, B, C, D, E, F. A Cappella Choir (fall, spring) 1 or 2 units**

The a cappella choir members are chosen by the director from the best voices in the men's and women's glee clubs. The choir presents several concerts before the public each year.

Prerequisite to Music 107: Music 7.

Two two-hour periods per week.

Fee, \$.75.

10A, B; 110A, B, C, D, E, F. Orchestra (fall, spring) $\frac{1}{2}$ unit

Affords qualified students an opportunity for study of good orchestral composition and for learning to play with good interpretation, finish, and precision. Outside practice is necessary. For advanced students upper division credit is given.

One two-hour period per week.

Fee, \$.75.

11. Band (fall) $\frac{1}{2}$ unit

Marching technique and study of music suitable for assemblies and popular occasions. The band plays for the athletic contests and rallies of the fall semester.

Two one-hour periods per week.

Fee, \$.50.

Applied Music

One unit of credit will be given for one half-hour lesson per week and the necessary practice for the lesson.

Private Piano: Miss Jackson, \$5.00 per month.

String Instruments: Miss Dale, \$1.25 per lesson (half-hour).

Voice: Mr. Jeffers, \$1.50 per lesson (half-hour).

Band and Orchestra Instruments: Miss Dale.

ORIENTATION

See Admission to the College, p. 25.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational, physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

MAJOR AND MINOR REQUIREMENTS

	<i>Major for Special P.E. Credential (Men Only)</i>	<i>Junior High School Major (Men Only)</i>	<i>Minor</i>
Lower Division-----	P.E. 2 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit P.E. 26A ----- $\frac{1}{2}$ unit Activity Course ----- $\frac{1}{2}$ unit	P.E. 2 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit Activity Courses ----- $1\frac{1}{2}$ units	P.E. 2 -----2 units Activity Courses ----- $1\frac{1}{2}$ units Men P.E. 9A -----1 unit P.E. 10A -----1 unit Women P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit
Upper Division-----	P.E. 151 -----4 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B -----4 units P.E. 198 -----2 units P.E. 199 -----2 units Ed. 322 -----2 units Ed. 323 -----2 to 4 units Activity Courses ----- $1\frac{1}{2}$ units	P.E. 151 -----4 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B -----4 units P.E. 199 -----2 units Activity Courses ----- $1\frac{1}{2}$ units Electives in P.E. (may be Lower Division) ----- $1\frac{1}{2}$ units	P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 199 -----2 units Men P.E. 192A-B -----4 units Women P.E. 193A-B -----4 units
Total units required-----	28-30 units	$24\frac{1}{2}$ units	Men ----- $14\frac{1}{2}$ units Women -----14 units

DESCRIPTION OF COURSES

Courses for Men

LOWER DIVISION

5. Freshman Physical Activities (fall) $\frac{1}{2}$ unit

Fundamentals of team and individual sports, together with some achievement tests.

Required of all freshmen and limited to freshmen.

Two one-hour periods per week.

6A, B. Fall Sports (fall) $\frac{1}{2}$ unit

Touch football, volleyball, and handball.

Two one-hour periods per week.

7A, B, C. Spring Sports (spring) $\frac{1}{2}$ unit

Basketball, track, and softball.

Two one-hour periods per week.

8A, B. Individual Sports (fall, spring) $\frac{1}{2}$ unit

Boxing, fencing, tumbling, wrestling (choice of one or more).

Two one-hour periods per week.

9A, B, C, D. Fall Athletics (fall) $\frac{1}{2}$ unit

Intercollegiate football. (9A may be taken for 1 unit.)

Daily afternoon practice.

10A, B, C, D. Spring Athletics (spring) ½ unit

Intercollegiate basketball, baseball, track and field events. (10A may be taken for 1 unit.)

Daily afternoon practice.

UPPER DIVISION**192A. Theory of Athletics (fall) 2 units**

Football, soccer, speedball, and basketball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

192B. Theory of Athletics (spring) 2 units

Baseball, track and field, and tennis.

Prerequisite: Upper division status only.

Two one-hour periods per week.

Courses for Women**LOWER DIVISION****15. Freshman Physical Activities (fall) ½ unit**

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

Required of all freshmen women and limited to freshmen.

Two one-hour periods per week.

16A, B, C. Fall Sports (fall) ½ unit

Field hockey and volleyball.

Two one-hour periods per week.

17A, B, C, D. Spring Sports (spring) ½ unit

Basketball and softball.

Two one-hour periods per week.

18A. Beginning Dance (spring) ½ unit

Two one-hour periods per week.

18B. Advanced Dance (fall) ½ unit

Two one-hour periods per week.

UPPER DIVISION**193A. Theory of Athletics (fall) 2 units**

Field hockey, soccer, speedball, volleyball, handball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

193B. Theory of Athletics (spring) 2 units

Basketball, baseball, tennis, track and field.

Prerequisite: Upper division status only.

Two one-hour periods per week.

Courses for Men and Women**LOWER DIVISION**

- | | |
|--|--------------------------------------|
| 2. Hygiene (fall, spring) | 2 units |
| An informal course in personal hygiene developed through reading, discussion, lectures, and assigned topics. | |
| Two one-hour periods per week. | |
| 25A, B, C, D. Restricted Activities (fall, spring) | $\frac{1}{2}$ unit |
| Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician. | |
| Two one-hour periods per week. | |
| 26A. Elementary Clog and Tap Dancing (fall) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 26B. Intermediate Clog and Tap Dancing (spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 26C. Tap Club (fall) | $\frac{1}{2}$ unit |
| Advanced technique; original numbers required of students; participation in school programs. | |
| Two one-hour periods per week. | |
| 27A. Elementary Tennis (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 27B. Intermediate Tennis (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 27C. Advanced Tennis (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 28A. Elementary Archery (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 28B. Advanced Archery (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 29A. Beginning Individual Games (fall, spring) | $\frac{1}{2}$ unit |
| Badminton, deck tennis, paddle tennis, table tennis. | |
| Two one-hour periods per week. | |
| 29B. Advanced Individual Games (fall, spring) | $\frac{1}{2}$ unit |
| Badminton, deck tennis, paddle tennis, table tennis. | |
| Two one-hour periods per week. | |
| 30A. Beginning Golf (fall, spring) | $\frac{1}{2}$ unit |
| One two-hour period per week. | |
| 30B. Advanced Golf (fall, spring) | $\frac{1}{2}$ unit |
| One two-hour period per week. | |
| 31. Ballroom Dancing (fall, spring) | $\frac{1}{2}$ unit |
| Basic dance techniques; foxtrot, waltz, tango, and current routines. Dance etiquette. | |
| Two one-hour periods per week. | |

- 33. Folk Dancing** (fall, spring) ½ unit
Two one-hour periods per week.

UPPER DIVISION

Upper division status is the only prerequisite to the upper division Physical Education courses.

- *151. Applied Kinesiology and Methods in Corrective Physical Education** (fall) 4 units

The combined course includes a study of the anatomy of muscles, bones, joints, and of the nervous system as a basis for understanding bodily movement in exercise and sports; the principles underlying good body mechanics; the causes, correction and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program, equipment facilities and procedure; the fundamentals and practice of massage. Much of the work is practical.

Four one-hour periods per week.

- 175. History and Principles of Physical Education** (fall) 3 units

The evaluating of the history of physical education, the weighing of current problems in the field, the setting-up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

- 176. Principles of Community Recreation** (fall) 2 units

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

- 190B. Methods in Singing Games and Folk Dances** (fall, spring) 1 unit

Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

Two one-hour periods per week.

- †190C. Advanced Folk Dancing** (spring) ½ unit

Recreational folk dancing.

Prerequisite: Physical Education 190B.

Two one-hour periods per week.

- 198. Conference on Secondary School Physical Education** (spring) 2 units

- 199. Practicum in Physical Education** (fall, spring) 2 units

The organization of the physical education program in grades one through eight.

One class, two activity, and one observation hours per week.

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

* Not given 1940-41.

† Offered if sufficient demand.

SOCIAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN
ECONOMICS AND BUSINESS

LOWER DIVISION

	<i>Units</i>
Commerce and Economics.....	18
(See tabulation of major requirements below.)	
Biological and Physical Sciences.....	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 37.)	
English	
1A-1B (Composition and Literature).....	6
Physical Education	
Activities (one-half unit each semester).....	2
Psychology	
1 (General Psychology).....	3
Social Sciences (in addition to Economics).....	6-8
History 4A-4B (History of Western Civilization).....	6
Recommended elective: Geography 2 (Cult. and Reg.)....	2

UPPER DIVISION

Commerce and Economics.....	24
(See tabulation of major requirements below.)	
Political Science	
151 (American National Government).....	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN
SOCIAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Social Sciences	14-15
(See tabulation of major requirements below.)	
Elective	2 or 3
Biological and Physical Sciences.....	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 37.)	
English	
1A-1B (Composition and Literature).....	6
Physical Education	
Activities (one-half unit each semester).....	2
Psychology	
1 (General Psychology)	3

UPPER DIVISION

Social Sciences ----- 24
(See tabulation of major requirements below.)

Political Science
151 (American National Government)----- 2

Electives—enough to bring total of units up to 124.
A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 38.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN
SOCIAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Social Sciences, with these additional requirements:

- (a) Foreign Languages ----- 15 units
(In not more than two languages. Each year of high school foreign language may be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)
 - (b) Education (upper division)----- 6 units
 - (c) One of the minors must be completed in a subject field taught in high school.
 - (d) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See p. 36.
- The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major in Social Sciences</i>	<i>Liberal Arts Major in Economics and Business</i>
Lower Division--	Economics 1A-1B----- 6 units History 4A-4B----- 6 units	Commerce Com. 14A-14B----- 6 units Com. 40----- 3 units
		Economics Econ. 1A-1B----- 6 units Econ. 40----- 3 units
Upper Division--	U.D. Economics----- 9 units U.D. History----- 9 units Additional U.D. Social Science 6 units	Commerce Com. 130----- 3 units Com. 134----- 3 units
		Economics Econ. 113----- 3 units Econ. 120----- 3 units Econ. 134----- 3 units Econ. 135----- 3 units Econ. 150 or 151----- 3 units Econ. 195----- 3 units
Total units required-----	36 units	42 units

Junior High School Majors			
<i>Economics</i>	<i>History</i>	<i>Social Science</i>	
Lower Division-----	Economics 1A-1B ----- 6 units History 4A-4B ----- 6 units		
Upper Division-----	U. D. Econ.---12 units	U. D. Hist.---12 units	U. D. Econ.---6 units U. D. Hist.---6 units
Total units required---	24 units	24 units	24 units

Minors—			
<i>Economics</i>	<i>History</i>	<i>Social Science</i>	
Lower Division-----	Econ. 1A-1B---6 units Hist. 4A-4B---6 units	Econ. 1A-1B---6 units Hist. 4A-4B---6 units	
Upper Division-----	U. D. Econ.---6 units	U. D. Hist.---6 units	U. D. Econ.---3 units U. D. Hist.---3 units
Total units required---	12 units	12 units	18 units

DESCRIPTION OF COURSES

Economics

LOWER DIVISION

1A-1B. Principles of Economics (year) 3-3 units

First semester: The evolution of modern capitalistic industry; business organization and control; money; banking; and international trade.

Second semester: The economic laws of value, price, and of the distribution of wealth and income; problems of government finance, labor, and economic reform.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

See Commerce 14A-14B.

***40. Elementary Statistical Methods (spring) 3 units**

See Mathematics 40.

UPPER DIVISION

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor.

113. Economic and Social History of the United States (spring) 3 units

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

120. Business Organization (spring) 3 units

The practical problems of organization, control, and management of private enterprise; and the relation of the government business.

Three one-hour periods per week.

* Not given 1940-41.

- *123. Marketing (fall) 3 units**
See Commerce 135.

- 134. Business Finance (spring) 3 units**
Instruments and methods of financing private business. Special emphasis upon corporation finance and investment.
Three one-hour periods per week.

- 135. Principles of Money and Banking (fall) 3 units**
The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.
Three one-hour periods per week.

- *150. Labor Economics (fall) 3 units**
A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.
Three one-hour periods per week.

- *151. Social Security in the United States (spring) 3 units**
The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.
Three one-hour periods per week.

- *195. Principles of International Commerce (spring) 3 units**
The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; international debts; government control and direction of international trade.
Three one-hour periods per week.

Geography

- *1. Introduction to Geography (fall) 3 units**
The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.
Three one-hour periods per week.

- 2. Cultural and Regional Geography (fall, spring) 2 or 3 units**
A brief study of the physical environment as the home of man in terms of climatic regions, followed by a more intensive study of the economic activities and the culture pattern of these regions.

Two one-hour periods per week for 2 units. An additional unit of credit may be obtained by doing outside independent study assigned by the instructor.

* Not given 1940-41.

History

4A-4B. History of Western Civilization (year) 3-3 units

A rapid survey of the political, economic, social, religious, and cultural development of Europe from ancient times to the present.

First semester: From ancient times to 1660.

Second semester: From 1660 to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

UPPER DIVISION

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor.

*146. Europe since 1870 (spring) 3 units

The political, economic, and social development of pre-war Europe; pre-war diplomacy and causes of the World War; the World War; post-war developments in the several European states; international relations; present cultural status.

Three one-hour periods per week.

149. History of Russia (spring) 3 units

The internal developments and the foreign relations of Russia from the time of Peter the Great down to the present.

Three one-hour periods per week.

167. The Foreign Relations of the United States (fall) 3 units

The foreign policy of the United States in the 19th century; the rise of the United States to a position of world power and the problems and changes growing out of this new position.

Three one-hour periods per week.

*189. History of the Pacific Coast (fall) 3 units

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

Political Science

151. American National Government (fall, spring) 2 units

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

Speech and Dramatics

The requirements for the A.B. degree in Speech and Dramatics, the major and minor requirements, and the courses of instruction will be found under Department of English, Division of Speech and Dramatics.

* Not given 1940-41.

DIRECTORY OF PERSONNEL HUMBOLDT STATE COLLEGE

Administered through the
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FREDERICK P. HIBLER	Graduate Manager

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*GEORGE AVERELL

S. D. CERINI

HENRY BRIZARD

VERNON L. HUNT

FRANK TOOBY

* Deceased.

FACULTY

GIST, ARTHUR S., M.A.

PRESIDENT

B.Ed., M.A., University of Washington; additional graduate study, University of California, Columbia University. Director Teacher Training, San Francisco State Teachers College; Summer Session Faculty, University of Washington, University of Utah, George Peabody College for Teachers, University of California, University of Southern California, University of Texas, Syracuse University. Author: "Elementary School Supervision"; "Administration of an Elementary School"; "Clarifying the Teacher's Problems"; "Administration of Supervision"; "The Teaching and Supervision of Reading" (co-author); "New Stories from Eskimo Land" (co-author). Editor of Yearbooks, Department of Elementary School Principals, National Educational Association.

ARNOLD, HOMER L., M.A.

PROFESSOR OF MATHEMATICS AND PHILOSOPHY

Bachelor of Accounts, International Business College, South Bend, Indiana; B.S., Indiana State Teachers College (Eastern Division); A.B., University of Indiana; M.A., University of Chicago; additional graduate study, University of Chicago, Stanford University, University of Michigan. Head, Department of Education and Psychology, New Mexico State Normal School.

BALABANIS, HOMER P., Ph.D.

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Ph.B., M.A., University of Chicago; Ph.D., Stanford University. Assistant, School of Commerce and Administration, University of Chicago; Teaching Assistant, Department of Economics, Stanford University; Summer Session Faculty, San Jose State Teachers College, Fresno State College; Director of Summer Session, Humboldt State College. Author: "The American Discount Market," "Travel Sketches of Europe."

BESTOR, RUTH E., M.A.

ASSOCIATE PROFESSOR OF EDUCATION

B.S., M.A., Columbia University. Kindergarten and First Grade Teacher, Kalamazoo, Michigan; Critic Teacher, Western State Normal; Demonstration First Grade, Western State Normal; Critic Teacher, Kindergarten, University of California at Los Angeles; Demonstration Kindergarten, University of California at Los Angeles; Teacher, Second Grade, Progressive School of Los Angeles; Summer Session Demonstration Teacher, Columbia University.

DAVIES, SARAH, B.S.

SECRETARY TO THE PRESIDENT

B.S., Linfield College; graduate study, University of Hawaii. Secretary to Superintendent of Schools, Longview, Washington; Secretary to the President, Linfield College; Student Assistant in the Department of Business Administration, Linfield College, McMinnville, Oregon; European travel.

DICKSON, BELLE L., M.A.

ASSISTANT PROFESSOR OF EDUCATION

Graduate, Cheney State Normal School, Cheney, Washington; A.B., University of Washington; M.A., University of Chicago; additional graduate study, University of Chicago, University of Washington. Teacher in elementary schools; teacher of geography and elementary science, platoon school, Spokane, Washington. Author: "Plans and Activities for the Primary Grades," "Activities in Progressive Education."

EVERETT, HELEN A., M.A.

ASSISTANT LIBRARIAN

A.B., University of Oregon; Certificate of Librarianship and M.A., University of California. Teacher in Bandon and Eugene high schools, Oregon, and University of Oregon; Library assistant, Universities of Oregon and California; Acting Librarian, Southern Oregon College of Education; Librarian, Marshfield High School, Oregon; School Library Supervisor, Medford, Oregon.

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B.A., M.A., Ph.D., University of California; undergraduate study, Yale University; Russian Language School, Summer Session, Columbia University. Teaching assistant, Department of History, University of California.

FOLSOM, ELMA McCANN, M.A. ASSOCIATE PROFESSOR OF ENGLISH
A.B., M.A., Washington State College; additional graduate study, University of California, Leland Powers School of the Spoken Word (Boston), University of Oregon, Stanford University; European study and travel. Instructor in English, Washington State College; Associate Professor of English, Michigan State Normal College, Ypsilanti

GARVIN, HELEN M., M.A. ASSOCIATE PROFESSOR OF MUSIC
A.B., College of Pacific; M.A., Mills College; additional training, Northwestern University, Oberlin Observatory, Eastman School of Music, University of Oregon, Chicago Musical College. Supervisor of Music, public schools, Pittsburgh, Pa., Duluth, Minn., Modesto, California. Instructor in Music and Supervisor of Music Student Teachers, Mills College.

GILLESPIE, DORIS KILDALE, Ph.D. LECTURER IN BIOLOGICAL SCIENCE
A.B., M.A., Ph.D., Stanford University. Teaching Assistant, Botany and Biology, Stanford University; Research, Gray Herbarium, Harvard University; Assistant Professor of Science, Arizona State Teachers College, Tempe, Arizona.

GRAVES, C. EDWARD, A.B. LIBRARIAN
A.B., Wesleyan University, Connecticut; New York State Library School. Instructor, Wesleyan University; Assistant, University of Illinois Library; Librarian, Minnesota Historical Society.

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Ed.B., University of California at Los Angeles; M.A., University of California at Berkeley; additional graduate study at Claremont Colleges. Instructor in Physical Education, Central Junior High School, Riverside, California; Instructor in Physical Education and Head of Department, Riverside Junior College and High School; Summer Session Instructor in Physical Education, University of California at Los Angeles.

HADLEY, MONICA W., M.S. ASSOCIATE PROFESSOR OF PHYSICAL
EDUCATION AND DEAN OF WOMEN
B.S., M.S., University of Washington; additional study, University of Southern California; special work in Body Mechanics at Children's Orthopedic Hospital, Los Angeles, California. Assistant in Recreational and Intramural Sports, St. Nicholas School for Girls, Seattle, Washington; Teaching Fellow in Physical Education, University of Washington.

HART, HERBERT L., M.A. PROFESSOR OF PHYSICAL EDUCATION
B.S., Purdue University; M.A., University of Chicago; additional graduate study, University of Iowa and Stanford University. Director of Athletics, coach in major intramural sports, and teacher of physical education courses, Mt. Morris College, and Monmouth College, Illinois.

HICKLIN, MAURICE, M.A. PROFESSOR OF ENGLISH
A.B., University of Missouri; B.J., School of Journalism, University of Missouri; M.A., Stanford University. Graduate teaching assistant, University of Missouri; Instructor, University of Washington; Graduate teaching assistant, Stanford University; Summer Session Faculty, University of California at Los Angeles.

JEFFERS, EDMUND V., M.Mus. ASSOCIATE PROFESSOR OF MUSIC
B.M.Ed., Illinois Wesleyan University, Bloomington; M. Mus., Bush Conservatory, Chicago. Study of voice and choral technique in Chicago and New York City.

JENKINS, R. HORACE, M.S.

PROFESSOR OF INDUSTRIAL EDUCATION

Graduate, Central State Teachers College, Oklahoma, four-year Classical Course and three-year Art and Shop Course; additional study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University; B.S., M.S., Oregon Agricultural College. Assistant in Art, Oklahoma State Teachers College; practical experience in the trades and industries; experience as owner and manager of a commercial pottery shop.

JOHNSON, ADELLA, M.A.

ASSOCIATE PROFESSOR OF MODERN LANGUAGES

A.B., University of Minnesota; M.A., University of Washington; additional graduate study, University of Washington, Stanford University, Columbia University, University of Minnesota, University of Paris, France. Travel in Europe with Intercollegiate French School. Teaching Fellow in French, University of Washington; Instructor in French and Latin, State Teachers College, Spearfish, South Dakota.

LANPHERE, WILLIAM M., Ph.D.

ASSOCIATE PROFESSOR OF BIOLOGICAL SCIENCE

B.S., M.S., and Ph.D., University of Washington. Teaching Fellow and Associate in Biological Science, University of Washington; Instructor, Western Washington College of Education.

LITTLE, STELLA SANKEY, M.A.

PROFESSOR OF ART

A.B., Stanford University; graduate study, Stanford University, University of California; study of masterpieces in art in various art galleries of Europe; M.A., and Fine Arts Supervision Certificate, Columbia University; Summer Session, Eugene, and Post Session, Alaska, University of Oregon; Summer Session, University of Oregon. Summer faculty in Art, San Jose State Teachers College; Instructor in Art, Stanford University.

MACGINITIE, HARRY D., Ph.D.

ASSOCIATE PROFESSOR OF PHYSICAL SCIENCE

A.B., Fresno State Teachers College; Ph.D., University of California. Research worker, American Museum, and Lecturer, University of Colorado. Author: "The Trout Creek Flora of Southeastern Oregon."

MCKITTRICK, MYRTLE M., A.B.

REGISTRAR AND PLACEMENT SECRETARY

A.B., Willamette University; graduate study, University of Washington. Principal, Wallowa High School, Wallowa, Oregon; Principal, Boistfort Union High School, Klaber, Washington; Secretary, Arcata Union High School.

PLATT, IMOGENE B., A.B.

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A.B., University of Washington; graduate study, University of Washington, Stanford University. Registrar, Humboldt State Teachers College.

SCHUSSMAN, LEO GEORGE, M.A.

PROFESSOR OF EDUCATION AND PSYCHOLOGY

Graduate of Oshkosh Normal School; Ph.B., University of Chicago; M.A., University of Wisconsin; additional graduate study, Stanford University, University of Wisconsin. Elementary and high school teacher; Elementary school principal; Superintendent of Schools; Principal, Outagamie County Normal School, Wisconsin; Director of Summer Session, Humboldt State Teachers College, 1925; Summer Session Faculty Fresno State Teachers College; White-water State Teachers College, Whitewater, Wisconsin.

TELONICHER, FRED, A.B.

ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

A.B., Fresno State Teachers College; Graduate study, Stanford University; European travel.

TOLLE, VERNON O., Ed.D. PROFESSOR OF EDUCATION
M.A., University of New Mexico; Ed.D., University of California.
Teacher in rural, elementary, and high schools; high school and
elementary school principal; Superintendent of Schools; Executive
Secretary, New Mexico Educational Association.

WALTER, ELLEN J., B.S. ASSOCIATE PROFESSOR OF HOME ECONOMICS
B.S., Oregon State College; graduate work, University of Oregon,
University of California, and Oregon State College. Experience as
high school instructor and director of cafeteria.

WILSON, BERT F., M.A. PROFESSOR OF COMMERCE
M.A., B.S., (Iowa); M.A., Stanford University; graduate study,
Universities of California, Southern California, and Washington.
Principal, Commercial Institute, Shenandoah, Iowa; ten years' expe-
rience as bank cashier.

WILSON, GARFF BELL, Ph.D.
MEN'S ADVISER AND ASSOCIATE PROFESSOR OF SPEECH
A.B., M.A., University of California; Ph.D., Cornell University;
member of International Speaking Tour of English Universities,
1930; student at Pasadena Community Playhouse; Teaching Fellow,
Department of English, University of California; Direction Staff,
Cornell University Theater; Summer Session Faculties: San Diego
State College, Cornell University.

WOODCOCK, JESSIE TURNER FINANCIAL SECRETARY
Graduate Humboldt State Teachers College. Postal clerk; book-
keeper.

Part-Time Instructors

BOGGESE, JOHN W., B.S. INSTRUCTOR IN INDUSTRIAL EDUCATION
B.S., Oregon State College; undergraduate study, University of
Montpellier, France; graduate study, Universities of California and
Southern California, Santa Barbara State College; member of Motor
Maintenance Service, United States Army; California General Second-
ary Credential and Special Credential in Industrial Arts.

DALE, DOROTHY LUCILE, M.Mus. INSTRUCTOR IN INSTRUMENTS
B.M., College Pacific; M.Mus., Eastman School of Music;
advanced study on violin. Played violin and bassoon in various
orchestras. Teacher of Instrumental Music in Fortuna High School.
Mailing address: Fortuna, California.

DREYER, CHARLES J., A.B. INSTRUCTOR IN INDUSTRIAL EDUCATION
A.B., University of California; California Special Credential in
Vocational Arts.

JACKSON, ROWENA FAYE INSTRUCTOR IN PIANO
Studied piano and harmony with Katherine A. Rood and Hans
Bruening; studied pipe-organ, piano and composition with Dr. Clare-
nce E. Shepard; graduate Grafton Hall School of Music. Graduate
teacher in normal methods in piano and harmony, Carrol College;
for ten years assistant to Dr. Clarence Shepard at Grafton Hall with
classes accredited at University of Wisconsin in piano, harmony,
history of music and music analysis; teacher of private classes in
piano, pipe-organ harmony; accredited high school teacher of piano
in California.

LANPHERE, HORTENSE M., M.S. LECTURER IN BIOLOGICAL SCIENCE
B.S., M.S., University of Washington. Teaching Fellow in Zool-
ogy, University of Washington.

LEONARD, FREDERICK R., M.A. LECTURER IN EDUCATION
A.B., Park College, Missouri; M.A., University of Missouri; addi-
tional graduate study, Stanford University. Assistant in Chemistry,
Park College; Principal, Carl Junction High School, Missouri; Super-
intendent of Schools, Amity and Braymer, Missouri; Rural Super-
visor of Schools, Mendocino County. Mailing address: Ukiah, Cali-
fornia.

TAYLOR, JOHN W., A.B.

LECTURER IN EDUCATION

A.B., University of California; graduate work, Stanford University. Assistant Instructor in Public Speaking, Stanford University; County Superintendent of Schools, Mendocino County. Mailing address: Ukiah, California.

VAN DUZER, JOHN, A.B.

INSTRUCTOR IN MUSIC AND DRAMA

A.B., Humboldt State College; Diploma in Piano, College of the Pacific; study at Eastman School of Music, Rochester, N. Y., two years; study in stage design at Eastman Theater, Rochester, N. Y.; graduate study, Stanford University.

Teachers in the College Elementary School

CLUXTON, HENRY T., M.A.

PAGELER, EDNA, A.B.

McKAY, ELEANOR, A.B.

WILLIAMS, DOROTHY E., A.B.

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President Gist
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Dr. Garff Wilson
Two students

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Mr. Bert Wilson
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CALIFORNIA

VOL. XXVI JUNE 1, 1941 NO. 4

HUMBOLDT STATE COLLEGE
» » BULLETIN « «

Volume XXVI, No. 4

June 1, 1941

CIRCULAR OF INFORMATION
... AND ...
ANNOUNCEMENT OF COURSES
COLLEGE YEAR, 1941-1942

A STATE COLLEGE FOR THE TRAINING
OF TEACHERS FOR THE PUBLIC SCHOOLS
AND FOR GENERAL COLLEGE WORK

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California, under the act of August 24, 1912

Published four times annually in the months of February,
April, May, and June



ENTRANCE TO ADMINISTRATION BUILDING

1941

JULY

S	M	T	W	T	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
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AUGUST

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31	--	--	--	--	--	--

SEPTEMBER

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OCTOBER

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DECEMBER

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28	29	30	31	--	--	--
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1942

JANUARY

S	M	T	W	T	F	S
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11	12	13	14	15	16	17
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FEBRUARY

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MARCH

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APRIL

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MAY

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31	--	--	--	--	--	--

JUNE

S	M	T	W	T	F	S
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ACADEMIC CALENDAR, 1941-1942

Fall Semester, 1941

REGISTRATION PERIOD-----Wednesday, Thursday, and Friday
September 10, 11, and 12

Language Arts Tests-----Wednesday, 9 a.m.

College Aptitude Test-----Wednesday, 2 p.m.

Registration of—

Seniors -----Wednesday, 9 a.m. to 12 m.

2d-semester Freshmen-----Wednesday, 1 to 4 p.m.

Sophomores -----Thursday, 9 a.m. to 12 m.

Juniors -----Thursday, 1 to 4 p.m.

1st-semester Freshmen, A-M-----Friday, 9 a.m. to 12 m.

1st-semester Freshmen, N-Z-----Friday, 1 to 4 p.m.

INSTRUCTION BEGINS -----Monday, September 15

Last day for program changes without charge-----Friday, September 26

Last day for program changes at 25-cent rate----Wednesday, October 15

End of six-weeks period-----Friday, October 17

Course fees due-----Monday-Friday, October 20-24

Mid-term warning notices-----Friday, November 7

ARMISTICE DAY -----Tuesday, November 11

THANKSGIVING RECESS -----To be announced

End of twelve-weeks period-----Friday, November 28

CHRISTMAS HOLIDAYS-Saturday, December 20, through Sunday, January 4

SEMESTER EXAMINATIONS-----Saturday, Monday, Tuesday,
Wednesday, January 17, 19-21

Spring Semester, 1942

REGISTRATION PERIOD-----Monday and Tuesday, January 26 and 27

Language Arts Tests-----Monday, 9 a.m.

College Aptitude Test-----Monday, 2 p.m.

Registration of—

Seniors and

2d-semester Freshmen, A-M-----Monday, 9 a.m. to 12 m.

Sophomores -----Monday, 1 to 4 p.m.

Juniors -----Tuesday, 9 a.m. to 12 m.

1st-semester Freshmen and

2d-semester Freshmen, N-Z-----Tuesday, 1 to 4 p.m.

INSTRUCTION BEGINS -----Wednesday, January 28

Last day for program changes without charge-----Friday, February 6

Last day for program changes at 25-cent rate-----Wednesday, March 4

End of six-weeks period-----Friday, March 6

Course fees due-----Monday-Friday, March 9-13

Mid-term warning notices-----Friday, March 27

SPRING VACATION-----Saturday, March 28, through Sunday, April 5

End of twelve-weeks period-----Friday, April 24

MEMORIAL DAY-----Saturday, May 30

SEMESTER EXAMINATIONS-----Wednesday, Thursday, Friday, and
Monday, May 27-29, and June 1

COMMENCEMENT -----Friday, June 5

Summer Session, 1942

Six Weeks -----June 15 to July 24

Fall Semester, 1942

(Probable Dates)

Language Arts Tests-----Thursday, September 10, 9 a.m..

Registration Period-----Thursday, Friday, Saturday, September 10-12

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NOTE TO THE PROSPECTIVE STUDENT

A Word about the College

Humboldt State College offers the prospective student several advantages and attractions. Despite its small size it can meet a considerable variety of educational needs. For those who look to teaching as a career the College provides sound and modern courses of training for the kindergarten through the junior high school levels. For those who desire a cultural education it offers the basic studies in the humanities and sciences. For those embarking upon a particular professional career it offers the studies necessary as groundwork and background. For those wishing to enter the business world it provides both practical training courses and a liberal arts curriculum in business.

Besides these educational facilities, which are the primary function of any college or university, the College affords a congenial dormitory life, an athletic program that gives opportunity to the experienced and inexperienced alike, and a natural environment that is not bettered anywhere in the state for scenery and opportunities for outdoor life. And lastly, though not least, because of its small size the College affords opportunity for students and faculty both to become acquainted with one another to a degree not possible in large schools.

A Word about this Catalog

This catalog is your introduction to the purposes and work of Humboldt State College. In it we have sought to put all the information necessary in order for you to know what courses of study the College offers and how the College and its student body are organized and function. Careful study of it will enable you to find your way about amidst the necessary curricular requirements and regulations with a minimum of assistance. An extensive table of contents in the front of the catalog is intended to help you find whatever you wish or need to know.

Acquaintance with some matters you can leave until after you have become well established in the College, but with certain parts of this catalog you should familiarize yourself as soon as you have decided to enter the College, namely:

(1) *How you enter the College.* The requirements and procedure for entrance and registration in the College are told in

the section titled "Admission to the College." The procedure for enrolling in classes is specified under "Academic Regulations."

(2) *What rules and regulations you are subject to once you are in the College.* Those rules and regulations applying to all students are found in the section "Academic Regulations." All students are held responsible for a knowledge of them. Those requirements referring to particular curricula are found under "Degrees, Credentials, and Curricula."

(3) *What courses of study you wish to follow.* The several groupings of curricula you will find outlined and described under "Degrees, Credentials, and Curricula." Specific curricula are detailed under the various departments in the section "Courses of Instruction." A system of cross references to pages in both sections should enable you to find your information readily. The explanatory note at the beginning of the section "Courses of Instruction" is called to your attention.

(4) *What your expenses will be.* The fees charged by the College and student body are listed under "Fees and Aids." They are payable at the time of registration. Some courses carry a fee to cover cost of materials used or transportation on field trips. The fee charged, if any, is specified along with the description of the course. Living expenses vary with the individual, but as a rule they are not high in Arcata. Living arrangements are discussed under "Student Life." Those students seeking financial assistance will find a few scholarships listed in the section "Student Life" and directions for seeking employment or temporary loans under "Fees and Expenses."

If, despite our best efforts, certain requirements or regulations are not entirely clear, feel free to communicate with the Office of the Registrar of the College, or if you can, personally visit us.

Meanwhile we invite you to come to Humboldt and hope we can welcome you here when the new semester opens.

THE PRESIDENT AND FACULTY
OF HUMBOLDT STATE COLLEGE

THE COLLEGE

LOCATION

Humboldt State College is located in the town of Arcata, which is situated on the north shore of Humboldt Bay in northern California. Backed by high forested hills, the College occupies a conspicuous position on the top of a hill, about a mile from the center of town. It commands an unrestricted panorama of forested mountains, bay, dairy and farm lands, sand dunes, Pacific Ocean, and at night the lights of Arcata, Eureka, and Samoa.

Arcata, the first town to be established in northwestern California, is located on the famous Redwood Highway eight miles north of Eureka and 300 miles north of San Francisco. It is reached by the Northwestern Pacific Railroad and Pacific Greyhound Lines. It has a population of approximately three thousand and possesses several churches, a fine school system, modern stores, a recently-built motion picture theater, hotel, and library. It also possesses a natural park and an attractive plaza. Box manufacturing and dairying form the basis of the business life of the community. Eureka nearby is a thriving city of about twenty thousand people. It is the county seat of Humboldt County and is the site of a woolen mill and several lumber mills. About fifty miles south of Eureka is Cape Mendocino, the westernmost point of the mainland of California. Humboldt State College enjoys the distinction of being the college farthest west in the United States.

The climate of the Humboldt Bay region, though moist, is stimulating and equable, the extremes of heat and cold being absent. Summer and fall are particularly delightful seasons.

PHYSICAL EQUIPMENT

Campus and Buildings

The physical plant of the College comprises a compact group of buildings and athletic facilities, appropriately landscaped. The main building, a rectangular two-story structure surrounding an inner court, houses the administrative offices, faculty offices, classrooms, library, student social unit, and auditorium. Adjacent to the main building are the original normal school buildings, used today for a variety of purposes. In the rear are a modern gymnasium and an athletic field,

which is being developed with aid of federal grants. In front, across the street from the main building, are four tennis courts for use of the students and faculty. Not far from the main building is Nelson Hall, a new \$200,000 dormitory named in honor of State Senator Hans C. Nelson, who contributed much to the development of the College. It includes a well-equipped dining commons. A small greenhouse, a fish hatchery, and game-bird breeding pens make up the remaining physical facilities of the College.

Back of the athletic field and gymnasium the College owns a large tract of second-growth redwood forest, in which have been cut a number of trails and clearings for purposes of recreation and botanical study.

Library

The library, situated off the south end of the inner court, contains some twenty thousand volumes. Though not large, this collection is well distributed as to subject matter, including recreational reading, and is constantly being added to. Its periodical list contains nearly one hundred and fifty titles, about half of which are scientific and professional and the rest of general nature. For many of the titles which the library does not possess it draws upon the collection of the California State Library, with which it has a borrowing arrangement. If desired, the library will also borrow, at a small expense charge, from the great collection of the library of the University of California at Berkeley. The library requirements of a small college are thus met in adequate fashion.

College Elementary School

The College maintains an elementary school on the campus, a short distance from the main building. It is here, as well as in the schools of Eureka and Arcata, through the cooperation of their school authorities, that the student teaching by the teaching credential candidates is conducted.

The College Elementary School extends from the kindergarten through the eighth grade. It is housed in a commodious and modern building of reinforced concrete, to which are being added several improvements, made possible by a recent grant of the State Legislature. Adjacent to the building are large fenced-in playfields.

HISTORICAL NOTE

Humboldt State College is one of the seven California state colleges, which have developed out of the old state normal schools. The original Humboldt State Normal School was established in 1913 by an act of the Legislature. Actual instruction began on April 6, 1914, the first class sessions being held in the Arcata Grammar School under an agreement between the Board of Education of Arcata and the normal school authorities.

The fine site of the College was donated by William A. Preston and the Union Water Company, whose officers were Noah H. Falk, Len Yocom, Mrs. Arthur Way, and Mrs. Kate Harpst. By January, 1915, temporary wooden buildings were constructed and ready for occupancy. In 1917 the Legislature appropriated \$245,000 for the permanent main building, which has been in use since February, 1922. A \$70,000 gymnasium was added in 1930 and the four tennis courts and the College Elementary School in 1933.

The professional curriculum in teacher training originally required two years to complete. Gradually it was extended and broadened to include many of the liberal arts and the sciences, so that today at least four years must be spent to complete any teacher credential curriculum offered by the College.

Control of the institution was first vested in a local board of trustees, appointed by the Governor. In 1921 control was transferred to the State Department of Education and the College placed in the hands of the Director of Education and the State Board of Education. The Legislature at the same time changed all of the Normal Schools to State Teachers Colleges, and authorized the State Board of Education to grant the Bachelor of Arts degree in Education. In 1935 the Legislature changed the name to Humboldt State College and authorized the granting by the College of the Bachelor of Arts degree in the liberal arts. Thus the College now functions as a teacher training institution and as a regional college.

The enrollment of the College has increased considerably. Approximately 550 individual students enrolled in its sessions during the academic year 1940-1941.

STUDENT LIFE

LIVING ACCOMMODATIONS

Living quarters for students in attendance at the College are available in Nelson Hall, in apartments, and in private rooming houses in Arcata. There are several of the latter available near the College at reasonable rentals. The monthly rate for rooms in private homes and rooming houses varies between \$7 and \$10. By eating at the college dining commons the cost of food can be kept to \$1 a day or less. Two or more students living together in an apartment can live for as low as \$15 or \$12 a month apiece for food and lodging. A list of approved living quarters may be obtained from the Financial Secretary of the College.

Nelson Hall, a new dormitory, operated by the College under the supervision of the Head Residents and the President, accommodates thirty women and thirty-five men in a congenial and comfortable environment. All rooms are double rooms and rent at the rate of \$6.50 a month per person. Bedding and towels and their laundering are provided by the dormitory. Students residing at the dormitory must agree to take their dinners at the dining commons, at the rate of \$13.00 a month (at 45 cents apiece), with reductions for regular absences over week-ends. Any student who finds it necessary to leave the dormitory during the semester should first consult one of the Head Residents and then submit two weeks' notice to the Financial Secretary.

Application for admission to Nelson Hall should be made through the office of the Financial Secretary. New students at Humboldt State, who are not known personally by the faculty, must accompany their application with two letters recommending the applicant's character and integrity. These letters should be from teachers or friends who have a personal acquaintance with the applicant.

In conjunction with the dormitory a College Commons is operated where students, faculty, and their friends may obtain meals at cost.

All lower division women students who do not commute daily to the College are expected to live in Nelson Hall, unless special arrangements are made by the parents with the Dean of Women. It is advisable, also, for upper division women to reside in the dormitory.

It is important that the College have correct local and home addresses for all students. A record of these addresses is kept both in the office of the Secretary to the President and in the office of the Registrar.

STUDENT ORGANIZATIONS

A number of student activities are carried on in the College in the form both of various student organizations and of certain activities such as athletics, dramatics, and music for which college credit is given. The administration is convinced of the value to prospective teachers of participation in a reasonable number of these activities.

Student Body Government

In keeping with the democratic tradition in American education the College administration encourages student body government as a means by which the students may acquire an appreciation of and practical experience in the art of self-government. It is expected that such government will develop leadership and a sense of responsibility among the students. However, the faculty retain authority and supervision over certain matters, such as student body finances and relations with individuals or groups outside the College where sound financial practice, legal responsibilities, and the best interests of the students make it advisable.

The organization of the associated students, known officially as the Student Service Association, consists of five officers—President, Vice-President, Secretary, Treasurer, and Publicity Manager—a Board of Control, and an Executive Committee. The student body officers are elected annually in the spring. The *Board of Control*, composed of the Vice-President of the student body as ex-officio chairman, three women, and three men elected along with the student body officers, is charged with the responsibility of maintaining high standards of conduct around the College. The *Executive Committee* consists of the five elected student body officers, the members of the Board of Control, and a faculty sponsor appointed by the President of the College. Its duties are to hold student body elections, set student body dues, approve and adjust the budget, authorize purchases and the payment of bills, inventory school property at the end of the school year, and oversee student body affairs in general.

Student Bookstore

For the convenience of the students the student body maintains a bookstore, where college textbooks and supplies may be obtained at cost, and a soda fountain.

Clubs and Societies

To recognize scholastic achievement, encourage particular interests, and afford recreation the students have established a number of organizations, which are authorized by and coordinated through the Student Service Association. They are listed with their sponsors as follows:

Alpha Psi Omega (a national dramatics fraternity)

Sponsor: Dr. Garff Wilson

Associated Women Students

Sponsor: Mrs. Hadley

Chi Sigma Epsilon (local scholastic honor society) See p. 16

Sponsor: Miss Johnson

The College "Y"

Sponsor: Dr. Tolle

Humboldt State College Ski Club

Sponsor: Dr. Lanphere

Humboldt Tap Club

Sponsor: Mrs. Hadley

Kindergarten-Primary Club

Sponsor: Miss Bestor

Men's Association

Sponsor: Mr. Griffith

Mu Epsilon Psi (music club)

Sponsor: Miss Garvin

Mutschito (women's social club)

Sponsor: Mrs. Telonicher

Rho Sigma (sophomore honor society)

Sponsors: Miss Johnson and Chi Sigma Epsilon See p. 16

Sigma Epsilon Rho (science club)

Sponsor: Dr. Lanphere

Student Teachers' Club

Sponsors: College Elementary School Staff

Women's Athletic Association

Sponsor: Mrs. Hadley

In addition the freshmen, sophomore, junior, and senior classes have each its class organization and faculty sponsor.

PUBLICATIONS

A weekly college newspaper, the "Lumberjack," is published by the associated students.

The student yearbook, "Sempervirens," is published in the spring.

SCHOLASTIC HONORS
Conferred by the Faculty

GRADUATION HONORS are awarded to graduating students at Commencement, subject to the approval of the faculty, on the basis of their scholastic index achieved in their undergraduate work as follows:

Index 2.00-2.34—with honor

Index 2.35-2.74—with high honor

Index 2.75-3.00—with highest honor

SEMESTER HONORS are given to all regular students who during a semester complete twelve or more units of work and achieve a scholastic index of 2.00 with no *F*'s or *Incompletes*. These honors are announced at the Chi Sigma Epsilon honor assembly early in the following semester.

THE PRESIDENT'S CUP has been provided as a stimulus to student teaching and a recognition of meritorious work. Each year there is engraved upon the cup the name of the student who, in the judgment of the faculty of the College Elementary School, most stands out because of his or her teaching in the Elementary School.

THE PHI BETA KAPPA MEDAL is presented at Commencement by the Phi Beta Kappa members of the faculty to the student making the highest scholastic average during the year.

Conferred by the Students

CHI SIGMA EPSILON is the upper division honor society, which elects members during the first part of each semester. High scholastic attainment, qualities of leadership, and high ideals of character form the basis of selection. Chi Sigma Epsilon Pledging Day honors with an assembly the students elected to membership.

RHO SIGMA is a sophomore honor society, sponsored by Chi Sigma Epsilon, whose active members select them each semester from the sophomore class on the same basis as election to Chi Sigma Epsilon.

THE CHI SIGMA EPSILON FRESHMAN MEDAL is presented each spring to the student who, in the opinion of the members of Chi Sigma Epsilon, is the outstanding member of the freshman class. Scholarship, character, and participation in student activities determine the award.

SCHOLARSHIPS AND MONETARY AWARDS**Conferred by College Organizations**

AWARD FOR CREATIVE WRITING. President and Mrs. Gist have provided an annual prize of \$10 to stimulate creative writing. The arrangements for submitting manuscripts and the selection of the recipient are in the hands of the Department of English.

CHI SIGMA EPSILON SCHOLARSHIP. This scholarship, which covers the general student fees for the freshman year, is donated by Chi Sigma Epsilon to a high school graduate of Humboldt or Del Norte County on the basis of scholarship, character, and participation in activities while in high school.

FACULTY WOMEN'S GIFT. The Faculty Women's Club of the College presents a monetary gift to a graduating woman at the close of the academic year. The award is made on the basis of scholarship and character.

MEN'S ASSOCIATION SCHOLARSHIP. The Men's Association of the College grants scholarships to two men graduates of the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic abilities. The scholarships consist of tuition paid for the fall semester of the freshman year. Selection is made by the scholarship committee of the Association from a list of candidates recommended by the high school principals.

Conferred by Civic Organizations and Individuals

ARCATA KIWANIS CLUB AWARD. The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

ASSOCIATED BUSINESS GIRLS' AWARD. The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

BUSINESS AND PROFESSIONAL WOMEN'S SCHOLARSHIP. The Business and Professional Women's Club of Eureka maintains a fund from which scholarships are awarded on a loan basis to women selected by the Club.

CRAIG SCHOLARSHIPS. Two scholarships have been established by Miss Ann V. Craig, former member of the College

faculty, in honor of her father and mother. The Edith R. Craig Scholarship is presented to a freshman student chosen at the end of his or her freshman year at the College. The John F. Craig Scholarship is presented to a sophomore student chosen at the end of his or her sophomore year at the College. Selection of the recipients is made by a faculty-student committee of three from those students in the respective classes who have a scholarship index of 2.0 or better and who have participated actively and commendably in at least one extra-curricular activity. Other considerations being equal, preference is given to the students with the greatest financial need. Each scholarship consists of \$25 for each semester of the following year to pay tuition, registration, and course fees and to purchase textbooks.

FERNDALE JUNIOR WOMEN'S CLUB SCHOLARSHIP. The Ferndale Junior Women's Club grants scholarships to worthy students in amounts sufficient to pay their college fees and purchase their books.

THE HUMBOLDT COUNTY FEDERATION OF WOMEN'S CLUBS SCHOLARSHIPS. Each year the Humboldt County Federation of Women's Clubs awards on a loan basis four scholarships of \$50, one in voice, one in a musical instrument, one in art, and one in dramatics. These scholarships provide a year's private instruction at the College. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor at the College in the field in which the award is made.

MUSICIANS UNION SCHOLARSHIP. Awarded by the Musicians Union of Eureka to a male graduate of a Humboldt County high school who is pursuing a serious study of music. Selection is made in the spring, after communication with the high schools of the county, by the scholarship committee of the union on the basis of scholarship and musical ability, determined through auditions. The recipient must enter the College not later than one year after graduation from high school and must major or minor in music for the duration of the award. He may be eligible for the award a second time. The scholarship consists of payment of tuition and other college expenses for a year.

SEQUOIA MUSIC CLUB SCHOLARSHIPS. The Sequoia Music Club awards each year on a loan basis at least two scholarships of \$50 in music. These scholarships provide for a year

of private lessons at the College in either voice, piano, violin, or 'cello. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor in music at the College for the duration of the award.

SOUTH FORK P. T. A. SCHOLARSHIP. The Parent-Teacher Association of the South Fork Union High School awards a scholarship sufficient for fees and books to an outstanding and deserving graduate of that school.

For additional information concerning the foregoing scholarships and awards communicate with the Office of the Registrar, Humboldt State College, Arcata, California.

SOCIAL LIFE

Because of the small size of the College and the presence of a college dormitory a highly congenial and informal social life prevails, in which the faculty as well as the students take part.

A considerable number of student dances are given throughout the college year under student body auspices. The Associated Women Students hold a Freshman Round-Up early in the fall semester. In the spring they give a combined Mother's Day tea and fashion show, as well as a tea honoring the new freshmen students. They also assist as hostesses at social functions in honor of visiting schools or given by the faculty. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. A number of impromptu social functions are held among the students residing in the dormitory. At the end of the spring semester just before Commencement the graduating seniors conclude their undergraduate days with a series of outings and a senior banquet and ball.

The faculty sponsor several social functions for the students. Early in the fall President and Mrs. Gist and Dean Hadley entertain the freshmen and new students at a tea held in the Social Unit of the College. In the spring President and Mrs. Gist entertain the seniors at a tea in their home. During the last month of school the Faculty Women's Club entertain the graduating women. Likewise in the spring the faculty give a tea honoring all students of the College who have made outstanding scholastic records during the preceding semester.

ATHLETICS AND RECREATION**Intramural Sports**

To promote recreation and physical exercise the Department of Physical Education conducts a program of intramural sports.

Among the woman class teams are organized in field hockey, volleyball, basketball, and softball, and play through a tournament in the course of the semester. During the spring semester the women hold an Individual Sports Day, which consists of final matches in tennis, archery, badminton, and golf, after a series of elimination matches preliminary to this event. The Women's Athletic Association, in conjunction with the Department of Physical Education, sponsors a Play Day at the College for the girls in all the high schools in Mendocino, Humboldt, and Del Norte counties.

For the men intramural competition is organized in basketball, volleyball, tennis, and golf.

Men's Athletics

The student body conducts a full program of men's intercollegiate athletics that includes football, basketball, baseball, track, and tennis, on both the varsity and junior varsity level. The College is now a member of the Far Western Conference. Competition is scheduled both in and outside of the Conference with colleges and amateur athletic organizations in California and Oregon. A large number of the men students participate in the intercollegiate competition of the College, for the coaching staff is especially interested in developing capable performers out of individuals with little or no athletic experience.

The Department of Physical Education requires all men participating in intercollegiate athletics and all women participating in intramural sports to pass a health examination each season.

Recreation

The student seeking recreation on his own will find in the surrounding country a variety of scenic and natural attractions. Several miles of sand dunes extend along the ocean from the north jetty of the entrance to Humboldt Bay to Little River. North of Little River the coast becomes rugged, with numerous caves, points, and reefs. About twenty miles north of Arcata on the Redwood Highway is Patrick's Point with fine picnic facilities, and a couple of miles beyond that is Big Lagoon, a virtual salt-water lake which, protected from ocean

breakers, affords safe swimming and boating. Within an hour's drive or less one can reach the famous redwood groves south of Scotia and north of Patrick's Point, as well as along the Van Duzen River. At North Dyerville Flat stands the tallest tree in the United States, 364 feet in height. Consultation of any good road map of northern California will suggest several interesting trips into a rugged and little settled back-country interior from the coast.

Still other attractions offer themselves. Humboldt County possesses a relative abundance of wild game and fish. In the winter there is skiing on Grouse Mountain, where the College Ski Club has built a cabin. In the summer there is swimming in the pools of Mad and Eel Rivers. The golf courses near Arcata and Eureka make special rates to students. The lighthouse at Cape Mendocino, the lighthouse and Spanish cross at Trinidad Head, the Blowhole three miles south of Trinidad, the Coast Guard station on the peninsula, the woolen mill in Eureka, the box factory in Arcata, and the large lumber mills in Samoa, Eureka, and Scotia are places well worth visiting.

MUSIC AND DRAMA

There is abundant opportunity for students to participate in musical and dramatic activities at Humboldt. A wide and varied program is offered in both fields.

Musical organizations include a Little Symphony Orchestra, a College Chorus—open to all men and women regardless of ability—and an A Cappella Choir. These groups give concerts in both the fall and spring terms. In addition the A Cappella Choir annually tours Northern California and the Bay region, singing at many schools, colleges, and churches. The Choir has gained State-wide recognition for its outstanding performances.

The Drama Department of the College is noted for its productions. Each year it presents four or five major plays and a group of one-act plays. Acting parts in these productions are open to all students who wish to try out. Also, through the Dramatic Workshop experience is offered in the other arts and crafts of the theater: scene design, stage-craft, lighting, make-up, etc.

Humboldt State exchanges plays with two other colleges. Annual drama festivals are held with both San Francisco State College and Chico State College. Thus, each year the Humboldt Players have the opportunity of traveling to one of these schools and of entertaining the other on the Humboldt

campus. The festivals, which are noncompetitive in nature, have become well known throughout Northern California.

Students receive regular course credit for participation in either Music or Drama.

COUNSELING

The College maintains a program of counseling and guidance for entering freshmen. At the time of registration individual attention is given by the faculty program advisers. Early in the semester the Dean of Women interviews each woman student and the Men's Adviser each man student in the freshman class. Meanwhile, both the Associated Women Students and the Men's Association make it their task to see that the freshmen become acquainted with other students and with the customs and organizations of the College. To assist the freshmen in adjusting themselves to their studies and choice of curriculum an Orientation class meets periodically (see p. 26).

At all times the students are free to consult their program advisers and the officers of the College about the problems confronting them.

COMMUNITY RELATIONS

PLACEMENT SERVICE

The College maintains a Placement Bureau as a service both to the teacher graduates of the College and to school officials. It seeks to help the College graduates, both current and past, find the positions best suited to their abilities and training and to assist school executives by recommending to them the candidates best suited to the positions to be filled. The bureau assembles and furnishes to school officials information about the character, sense of responsibility, scholastic achievement, participation in student activities, and success in student teaching of the graduates of the College.

Students seeking positions as teachers will find it to their advantage to work through the Placement Bureau. They should register with the bureau early in their senior year so that the necessary data about them may be collected in plenty of time.

COMMUNITY SERVICE

Inasmuch as the College is a state institution, its facilities, when not in use for college purposes, are available for use by the citizens of the state. It particularly welcomes conventions, conferences, and assemblies of educational or cultural nature. The College auditorium seats four hundred. Arrangements for the serving of meals in the dining commons should be made with the Financial Secretary of the College.

EXTENSION COURSES

Extension courses will be conducted at the College in the evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI ASSOCIATION

The Humboldt State College Alumni Association includes among its objectives assistance to the College in administrative problems and guidance and counsel of recent graduates. The officers for the year 1940-41 are: Walter Schocker, president; Jack Simpson, vice president; Oden Hansen, secretary; Hugh B. Stewart, treasurer; and Glenn Waldner, editor of the *Humboldt Alumnus*.

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students. Such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of his major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State Col-

lege authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.

2. No credit may be allowed for professional courses in education.

Scholarship Average. In the case of students transferring to this college from other institutions, the scholarship average at the previous institution will be included with the average made at this college.

Extension Credit. Extension work taken in other institutions is allowed only up to 10 per cent of the total curriculum requirement.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are accepted credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our pre-secondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The Graduate Division of the University of California finds that it is rarely, if ever, possible for a graduate with the A.B.

degree from any institution to receive both the high school credential and master's degree in one year.

All students intending to transfer to another institution after a year or two at Humboldt should consult the requirements of the institution to which they intend to transfer and arrange their programs at Humboldt accordingly.

LANGUAGE ARTS TESTS

A series of tests in writing, reading, and speech is given to entering freshmen at the beginning of each semester (see Academic Calendar). The tests are designed to determine whether a student is in need of remedial work in any branch of the language arts. Special attention is thereafter given in English 1A-1B to correct whatever deficiencies are revealed by the tests.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test which is given immediately after the "English A" examination.

ORIENTATION

All freshman students are required to enroll for an orientation course, which meets during the fall semester once every two weeks. This course provides an opportunity for analysis and discussion of college problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, and matriculation in other institutions, and also for planning and conducting group activities for recreation and self-improvement. It carries one unit of college credit.

REGISTRATION

Students should report for registration in compliance with the schedule announced in the calendar. A faculty adviser is assigned to each student according to the curriculum he selects. After a program has been approved by the adviser, the student completes his registration by the payment of fees and the filing of his registration and course cards.

The students' official study list is filed in the office of the Registrar. Since this list is the basis for official reports and records, the student must assume responsibility for keeping this list accurate at all times.

Prior to formal registration, conferences may be held with advisers or with the Registrar about suitable programs or course requirements.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the semester. Transcripts of former work should be filed with the Registrar two weeks in advance.

Students who are unable to report for registration during the designated period must make special arrangements with the administration and the faculty concerned. A special fee of \$1 is collected for late registration.

The procedure for enrolling in classes is described on p. 30.

SUMMER SESSION

Each year the College holds a summer session designed to meet the needs of (1) high school graduates prepared to enter college, (2) students and teachers working toward the A.B. or B.E. degree or a teaching or administrative credential, and (3) persons seeking cultural advantages or combined study and recreation in one of the most scenic regions of California.

Requirements for admission to the summer session are the same as those for the regular semester sessions (see p. 24).

Courses are planned for full six weeks' attendance, though in certain instances credit for three weeks' attendance may be arranged.

The Registrar will send the Summer Session Bulletin upon request.

ACADEMIC REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation hour per week for eighteen weeks, with two hours of preparation for each recitation hour. It may be administered as three recitation hours per week for eighteen weeks without outside preparation.

CLASSIFICATION OF STUDENTS

Students are classified in two ways in terms of number of units completed.

Students who have completed less than 60 units are classed as *lower division* students. Ordinarily they are allowed to enroll only in lower division courses (see p. 55). Students who have completed 60 or more units are classed as *upper division* students. They may enroll in both lower and upper division courses.

A student's class is determined by the number of units completed, as follows:

Freshmen	Less than 30 units
Sophomores	30 to 59½ units
Juniors	60 to 89½ units
Seniors	90 or more units

During a given semester students registered for six or more units are classified as *regular* students. Students registered for less than six units are known as *limited* students.

MARKING SYSTEM

Grades

A five-grade marking system is used. The grades employed are defined as follows:

A	Excellent
B	Good
C	Average
D	Barely Passing
F	Failure

Plus (+) as given in certain courses means passed with a grade of C or better. Inc. means "incomplete," W "withdrawn."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not given to students who are failing or who are dilatory. *The uncompleted work must be made up within the next year of residence, or the Incomplete automatically becomes a Failure.*

Honor Points

Each of the above grades carries honor points as follows:

A-----	3 per unit
B-----	2 per unit
C-----	1 per unit
D-----	0 per unit
F-----	Minus 1 per unit

No honor points are given for an Incomplete until the final grade is given. Neither units nor honor points are given for a course from which a student withdraws. Hence, marks of Incomplete or W have no effect upon the Scholarship Index.

Scholarship Index

The Scholarship Index is a device for rating a student's scholarship average. It is derived by dividing the total number of honor points earned by the total number of registered units. In computing the index, units are not included for activity courses that carry no honor points.

Unless otherwise specified, the term "Scholarship Index" refers to the cumulative rather than the semester index.

NORMAL PROGRAM

Fifteen or sixteen units of work in addition to a half-unit in physical education constitute an average program for a semester. According to the definition of semester unit given above, this means forty-eight hours of actual work each week.

Students who have demonstrated their ability, measured in terms of the Scholarship Index, may be permitted to carry additional work according to the following scale:

<i>Index of scholarship</i>	<i>Maximum load for following semester</i>
1.25-1.74 -----	17½ units
1.75 and above -----	18½ units

First semester freshmen, however, are limited to a maximum load of 17 units.

The approval of the Health Department is also required for students who register for more than the normal program.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

CLASS ENROLLMENT AND ATTENDANCE

For each student who registers for a given class a course card is issued to the instructor. No student may be admitted to class unless the instructor has received his course card.

The College believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should obtain the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Any member of the faculty may exclude from his course any student who has neglected the work of the course, or is discourteous, or persists in practices annoying to the instructor or the class.

CHANGES OF PROGRAM

Necessary program changes may be made through the Registrar's office with the consent of the student's adviser. To drop a course, the student's procedure is as follows: (1) obtain his course card from instructor, (2) have it signed by adviser, and (3) turn it in at the Registrar's office. To enter a new course, the student should (1) obtain a "Permit to Enter" card from the Registrar, (2) have it signed by his adviser, and (3) exchange it at the Registrar's office for a course card which is filed with the instructor.

Changes of program may be made without charge during the first two weeks of each semester. During the four weeks following a fee of twenty-five cents is charged for each change; thereafter, the fee for each change is fifty cents. A change consists of either adding or dropping a course.

WITHDRAWALS

From a Course

During the first six weeks of any semester, a student in residence who drops a course with official approval will not have that course reported or charged against his record for that semester.

During the second six weeks of any semester, a student in residence may drop a course without prejudice to his record in case this is done with the approval of his instructor in consultation with the adviser, such approval to be based presumably upon considerations of health, outside work, or other matters for which the student is not held culpable. Unless such approval is granted, the dropping of a course during this interval will be recorded as Failure.

During the final six weeks of any semester, the dropping of a course will result in a record of Failure or Incomplete, depending upon whether the work has been of failing or passing grade up to the time of withdrawal.

From College

Upon petition, an honorable dismissal may be granted to any student in good standing, provided arrangements have been made with the Registrar.

During the first twelve weeks of any semester, students withdrawing from college with official sanction shall be given a mark of W.

During the last six weeks of any semester, those who withdraw shall be given W's or F's depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college during this period may petition for Incomplete grades. This privilege shall be granted only to those whose work is of passing grade at the time of withdrawal.

Students who neglect to comply with these regulations shall have their courses reported as Failures.

REPORTS TO STUDENTS

At the end of the semester, reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having particular difficulties in certain subjects are periodically interviewed by the President.

CREDIT BY EXTENSION

Students regularly enrolled in the College may be admitted to extension classes upon the approval of the adviser and the President of the College. In such cases the combined program

shall be subject to the established load limitations for regular students.

Not more than 31 units (25 per cent) of the 124 units required for the A.B. degree may be taken in extension classes of either the College or other institutions.

PROBATION AND DISQUALIFICATION

Any student whose cumulative average drops below 1.00 (a C average) shall be given a warning notice.

If a student's scholarship index for a semester falls below .50 (midway between a C and a D), he shall be placed upon probation for the ensuing semester.

A student on probation shall not be permitted to enroll for more than $13\frac{1}{2}$ units. To get off probation, he must:

- (a) Complete at least eight units of work during the semester;
- (b) Achieve an index for the semester of .50 or better. (If he wishes to do so, he may attend summer school, averaging his summer grades with those of the preceding semester to achieve the requisite .50.)

A student on probation shall be automatically disqualified if his index for the semester drops below 0 (a grade average of D). Should his semester index be between 0 and .50, he shall remain upon probation for a second semester. At the close of the second probationary semester, if he has failed to achieve the required standard of .50, he shall be disqualified.

The College, at the discretion of the faculty Scholarship Committee, may disqualify also those students who have been registered in school two or more semesters and whose cumulative scholarship index is less than .75.

A student who has been disqualified for unsatisfactory scholarship may apply through the Registrar for re-entrance upon probation after the lapse of one semester.

Students whose personal conduct is unsatisfactory may be disqualified by administrative action at any time.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of the students, the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At

least three medical examinations are given each student as follows:

- (1) At entrance (including a dental examination)
- (2) During the junior year
- (3) Before graduation

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is provided at special rates.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is not permitted to students who are on probation. Participation in inter-collegiate athletics is subject to the rules of the Far Western Conference, of which Humboldt is a member.

FEES AND EXPENSES

STATE FEES

Required

Payable by all students taking 6 or more units at the time of registration.

Registration fee—per semester-----	\$6 50
Physical Education fee—per semester-----	1 00

Occasional

Registration fee for students taking 5 semester units or less— per unit -----	\$2 50
Extension fee—per unit-----	5 00
Nonresident tuition fee—First semester-----	75 00
Each subsequent semester-----	37 50
Late registration fee-----	1 00
Diploma fee at graduation-----	2 50
State credential fee-----	3 00
Placement Service fee (for five sets of recommendations)-----	1 00
Each additional set-----	20
Additional transcripts, each-----	1 00
Special Examinations—Mid-term -----	50
Final -----	1 00

Course

For certain courses a fee is charged to cover the cost of materials used or transportation on field-trips. The charging of a fee and the amount are noted in the descriptions of the courses concerned.

Summer Session

Summer Session registration fee (six weeks)-----	\$20 00
Health and Physical Education fee-----	50
Student Body Lecture and Recreation Fund-----	50

Auditors

Persons enrolled in College classes as auditors only are subject to the above fees in same manner as those enrolled for credit.

Student Body Fees

Fee—per semester -----	\$5 00
Student annual (first semester only)-----	2 50
Physical Education fee—per semester-----	75
Hospitalization and health fee—per semester-----	75

The student body fees are applied to a varied program of student activities, which include music, drama, athletics, the college paper, social activities, and others. It is only through the financial support of the students that this important phase of college life becomes possible.

Membership in the associated students is not obligatory, though advisable. It entitles one to a subscription to the college paper, the *Lumberjack*; admission free or at reduced rates to athletic contests and social functions; and participation in student-body and class activities.

REFUNDS

STATE FEES. Refunds of these fees are subject to regulations set forth by the State as follows:

The tuition fee charged a resident or non-resident student may be refunded if the student has not attended in excess of two weeks from the date of registration in any semester, provided that in the judgment of the president of the college, withdrawal of the student is the result of circumstances beyond the student's control, and provided further that the amount of \$1.50 per semester shall be retained to cover the cost of registration. In case a student is unable to continue a course because of a college regulation, the entire fee may be returned, but in each such case the circumstances concerning the application of such regulation must be stated on the application submitted to the State Director of Education.

When a student transfers from the classification of limited to regular, or from regular to limited, or reduces the number of units for which a student is registered in a limited classification, \$0.50 shall be withheld as a charge to defray the cost of bookkeeping.

A late registration fee is not returnable.

When a student withdraws from the college or from any course, any unused portion of the service fees paid by the student may be refunded.

A student entering any class, in which a service fee is charged, shall pay the full fee irrespective of the time when the class is entered.

STUDENT BODY FEES. These fees are not refunded if a student has participated in any student body activity.

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are available for needy and deserving students. The college employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. It should be borne in mind, however, that there is usually a waiting list of forty or fifty applicants. Application for employment should be made to the Financial Secretary before registration.

LOAN FUNDS**General Student Loan Fund**

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Men's Advisor, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration. Rarely are loans made to new students.

The Rotary Club of Arcata has a loan fund available for worthy students recommended by the President.

DEGREES, CREDENTIALS, AND CURRICULA

GENERAL STATEMENT

The curricula offered by the College fall principally into two groups: (1) degree curricula leading to a Bachelor of Arts or a Bachelor of Education degree and (2) lower division curricula. In addition the College offers work leading to two administrative credentials. The various curricula of the College are listed as follows:

I. Degree curricula

A. A.B. Degree with

General Elementary Credential
General Junior High School Credential
Kindergarten-Primary Credential
Special Credential in Physical Education
Combinations of the foregoing credentials

B. A.B. Degree in Liberal Arts, with a major in

Biological Sciences	Social Sciences
Economics and Business	Speech and Dramatics
English	

or with a General Major

C. A.B. Degree in Liberal Arts, with a pre-secondary major in

Biological Sciences	Social Sciences
English	Speech and Dramatics

D. B.E. Degree (for teachers not holding an A.B. Degree)

II. Lower division curricula

A. Terminal

Commercial Training	Photography
Secretarial Training	Wildlife Management
General Business	
Merchandising	

B. Preparatory for transfer to other institutions

Agriculture

Agricultural Economics
Animal Science
Plant Science

Commerce (completion in the College of Commerce at the University of California)

Dentistry	Mathematics
Engineering	Medicine
Forestry	Nursing
Law	Optometry
Liberal Arts or	Pharmacy
Letters and Science	

III. Administrative credentials

- A. Elementary School Principal or Supervisor
- B. Elementary School Executive

DEGREE CURRICULA**Bachelor of Arts**

The Bachelor of Arts or A.B. degree is granted customarily after four academic years of work in the following forms:

(A) A PROFESSIONAL DEGREE IN CONJUNCTION WITH ONE OR MORE CALIFORNIA TEACHING CREDENTIALS. One of the primary functions of the College is the training of teachers. To that end the College offers work leading to (a) the General Elementary Credential, (b) the combined General Elementary and Kindergarten-Primary Credentials, (c) the combined General Elementary and General Junior High School Credentials, and (d) the Special Credential in Physical Education, alone or in combination with the others. For a detailed description of the academic and other requirements for the A.B. degree and these credentials see pages 40-41 and 77-83.

(B) A NON-PROFESSIONAL DEGREE IN LIBERAL ARTS. The nature of this degree is primarily cultural, as it represents a broad background in the humanities and the sciences. No teaching credential is involved in this case. The degree is, however, of considerable value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The A.B. degree in Liberal Arts is offered in these fields:

- Biological Sciences (p. 59)
- Economics and Business (p. 116)
- English (p. 87)
- Home Economics (p. 94)
- Social Sciences (pp. 116-17)
- Speech and Dramatics (p. 91)

The basic A.B. degree requirements are given on pages 40-41; the specific major requirements on the pages indicated in the parentheses.

In addition to the above subject-field majors the College offers a General Major of 36 units in the upper division, dis-

tributed among three subject-fields chosen from the lists of majors and minors on p. 41. The student following this major may, in consultation with his advisor, arrange the distribution of the 36 units in whatever proportion seems best, subject however, to the following requirements:

- (a) Not less than 6 upper division units must be taken in each field, together with the lower division prerequisites; the total of upper division units in any one field should, however, be less than 24.
- (b) Sufficient work must be taken in one field to meet the minimum requirements of the State for a major (see p. 41).
- (c) Sufficient work must be taken in each of the other two fields to meet the minimum requirements of the State for a minor (see p. 41).

(C) A PRE-SECONDARY LIBERAL ARTS A.B. DEGREE. This form of the A.B. degree is intended for those students who plan to obtain the General Secondary Credential qualifying them to teach in the high schools of the state. The College is not authorized to grant this particular credential, which calls for a year of graduate study in an institution authorized to offer the professional courses required for the credential. However, the required A.B. degree in a subject field taught in the secondary schools may be obtained at the College in these fields:

Biological Sciences (p. 59)
English (p. 87)
Social Sciences (p. 117)
Speech and Dramatics (p. 92)

The basic A.B. degree requirements are given on pages 40-41; the specific major requirements on the pages indicated in parentheses.

In addition to the above curricula the College provides the first three years of work in Business Education, such work being preparatory to completing the requirements for the A.B. degree and the Special Secondary Credential in Business Education at another institution (see p. 70).

Students who intend to obtain a General Secondary Credential are advised to consult the particular requirements of the institution to which they plan to transfer.

Students who plan to obtain a General Secondary Credential at the School of Education of the University of California

are directed to the fact that before receiving the credential they must have satisfied:

- (1) Matriculation requirements of the University;
- (2) The Junior Certificate requirements of the University (see p. 45 of this catalog);
- (3) The following minimum scholarship index requirements of the School of Education:

Upper division work-----	1.50
Postgraduate work -----	1.75
Educational courses -----	1.00
Work for the major-----	1.75
Work for the minor-----	1.00

General Requirements for the Bachelor of Arts Degree in All Forms

Of the two degrees which the College is authorized to grant the A.B. degree in its three forms is by far the more commonly awarded. To receive this degree, whether in conjunction with a California teaching credential or as a non-professional degree in liberal arts, the student must fulfill certain basic requirements set up by the State Department of Education and the College. They are the following:

Units. A minimum of 124 units is necessary for graduation. Of these at least 40 units must be selected from upper division courses. Not more than 40 units taken in Education or any one department may be counted towards fulfillment of the total number of units for graduation.

Residence. At least 24 of the 124 or more units for graduation must be completed at this College in residence.

Of the minimum of 24 units not more than 12 may be taken in the extension division of the College. Six of the last 30 units taken for a degree must be taken *in residence* at the College.

Subjects. All candidates for the degree must take:

Social Science -----	14 units
Nearly all of the four-year curricula stipulate that the 14 units be taken in the lower division.	
Biological and physical sciences-----	14 units
Twelve of these units must be taken in the lower division, with the provision that the number may be reduced by substituting equivalent work in high school at the discretion of the Department of Biological and Physical Sciences.	
English (in the lower division)-----	6 units
Psychology (in the lower division)-----	3 units
Physical Education (in the lower division; see p. 111)---	2 units
American Government -----	2 units

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A *major* is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the Junior High School Credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 40) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Allied Arts	Biological Sciences	Biological Sciences
Biology	Economics and Business	English
English	English	Social Sciences
Home Economics	Home Economics	Speech and Drama
Industrial Education	Social Sciences	
Music	Speech and Drama	
Physical Education		
Social Sciences or Economics or History		
Speech and Drama		

A *minor* is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	French	Physical Education
Biology or Botany or Zoology	Home Economics	Social Sciences or History or Economics
Commerce	Industrial Education	Speech and Dramatics
Education	Mathematics	
English	Music, Choral or Instrumental	

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with the degree.

Bachelor of Education

The Bachelor of Education or B.E. degree is designed for successful teachers in the field who would find difficulty in meeting all the requirements for the A.B. degree but who wish to have a modern bachelor's degree. The degree is professional in character, carries no credential with it, and is not intended to qualify its recipients for graduate standing in the universities.

Authorization. The California State Board of Education on January 7, 1937, authorized the seven State Colleges to grant this degree, the requirements for which are based upon an evaluation of successful experience and educational activities as a substitute for certain academic and professional courses.

Effective Dates and Application. The operation of this curriculum will not extend beyond February 1, 1947. All applications for candidacy must be filed and at least six semester hours of work completed before February 1, 1942. All the requirements must be completed and the degree conferred prior to February 1, 1947.

Each teacher who desires to become a candidate for the Bachelor of Education degree shall file with the college an inventory of training and experience. Blanks for this purpose may be secured from the College.

Eligibility for Candidacy. The following classes of teachers are eligible for candidacy for this degree:

1. Graduates of the two-year, two-and-a-half year, or three-year curricula of the California State Colleges when these institutions were normal schools or teachers colleges, who have had five or more years of successful teaching experience.

NOTE.—Graduates of the three-year curricula are advised to work toward the Bachelor of Arts degree, but in case such graduates elect to take the Bachelor of Education degree, the requirements may be satisfied by completing at least eighteen semester hours of college work in addition to equivalent credit that may be allowed for other experiences or activities.

2. Holders of California life diplomas or those who have taught five or more years in the public schools of California.

Required Program. The degree will be granted upon the successful completion of 124 semester units of college or university work or the equivalent. Of this total requirement at least 106 semester units of work shall be completed in regular campus classes, extension classes, or in correspondence courses under college or university direction. Not to exceed eighteen semester units of credit may be allowed for experiences and activities that can be evaluated as equivalent to regular academic work.

Fields of Study. Each candidate for the Bachelor of Education degree must include in the last 60 semester units of credit earned a minimum of six semester units in each of three of the following fields of knowledge:

1. Professional courses.
2. Social sciences.
3. Natural sciences.
4. Psychology and philosophy.
5. Fine arts and literature.
6. Physical education, hygiene, and recreation.

In addition candidates must complete a course or pass an examination on the principles of the Constitution of the United States.

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with this degree.

Equivalents. Equivalents will be evaluated in terms of professional service units, and each such unit will count as equal to one semester unit of college or university work. Equivalents will also be evaluated in terms of results—on the basis of quality of work rather than quantity.

Professional service units may be allowed in each of the following types of activities up to the number indicated, provided that the total shall not exceed 18.

<i>Activity</i>	<i>Maximum number of service units</i>
Teaching experience	6
Community service outside the school.....	2
Professional service	6
Travel study	3
Publications	4
Experimental problem, project, or activity work....	4

Residence Requirements. Twenty-four semester units of college credit earned in California State Colleges will be

accepted as satisfying residence requirements, provided that at least half of these must have been earned subsequent to June 1, 1934, in Humboldt State College.

LOWER DIVISION CURRICULA

The College offers two types of lower division curricula. The first is terminal in character and is offered in the following fields:

Commercial Training (pp. 71-72)

Secretarial Training

General Business

Merchandising

Photography (p. 60)

Wildlife Management (p. 61)

The second type comprises a number of lower division curricula, the continuance of which in the upper division the College is not equipped to provide. Most of such curricula are pre-professional or technical in character, and are designed to meet the needs of those students who plan to obtain a Bachelor of Arts or a Bachelor of Science degree or a certificate of completion at some other institution, but who wish to do the lower division work at Humboldt. *These students should acquaint themselves with the particular requirements of the institutions to which they intend to transfer and should ascertain which of the courses offered at the College will be accepted in preparation for their chosen fields of study.*

The following curricula are the more common fields of study in which the College offers lower division courses. These curricula are suggestive rather than fixed, since the specific course requirements of other institutions may vary. Nor is the list of lower division curricula complete; others may be arranged if the demand presents itself.

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University. To aid the student in planning his course, the requirements for the Junior Certificate, which the University grants upon completion of the lower division work, are given here:

- (a) English A.
- (b) *Foreign languages.* At least 15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units towards this requirement.)
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of *three* of the following groups:
 - (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy
 - (6) Fine Arts

Agriculture

Recommended Sequence

Agricultural Economics**FRESHMAN YEAR**

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Philosophy 6A-6B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
Psychology 1 -----		3
Commerce 14A-14B -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Animal Science**FRESHMAN YEAR**

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Plant Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Commerce

This curriculum is planned to meet the lower division requirements of the College of Commerce at the University of California at Berkeley, which grants a Bachelor of Science degree in Commerce upon completion of a four-year curriculum. The lower division requirements in terms of the courses offered at Humboldt are:

(a) *English A.*

(b) *Foreign languages.*

This requirement may be satisfied by (1) passing the Subject B examination in some acceptable language (French, German, Spanish, Italian, Greek, Latin, Russian, Chinese, Japanese), or (2) offering 12 units in one foreign language. (Each year of high school work in the language offered is counted in satisfaction of 3 units of the requirement.)

(c) *Mathematics.*

Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.

(d) *Natural Science*, 9 units.

Bacteriology 1

Botany 1A-1B

Chemistry 1A-1B, 8, 9

Geology 1A

Paleontology 1

Physics 1A-1B, 2A-2B, 3A-3B, 10

Physiology 1A

Zoology 1A-1B

- (e) *English or Public Speaking.*
English 1A-1B or Speech 1A-1B, 6 units.
- (f) *History or Political Science.*
History 4A-4B, 6 units.
- (g) *Geography.*
Geography 1 and Geography 2, 3-3 units.
- (h) *Economics.*
Economics 1A-1B, 6 units. Economics 40, 3 units.
- (i) *Recommended elective.*
Commerce 14A-14B (Accounting).

Recommended Sequence

FRESHMAN YEAR		Sem. 1	Sem. 2
English 1A-1B	-----	3	3
French A-B	-----	3	3
History 4A-4B	-----	3	3
Science	-----	3, 4 or 5	3, 4 or 5
Mathematics 1 (if needed to meet Mathematics requirement)	-----	3	
Geography 2	-----		3
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
		15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B	-----	3	3
French C-D	-----	3	3
Science	-----		3
Geography 1	-----	3	
Mathematics C (if needed to meet Mathematics requirement)	-----	3	
Mathematics 2	-----		3
Electives	-----	3	3
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
		15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Dental

Recommended Sequence

FRESHMAN YEAR		Sem. 1	Sem. 2
English 1A-1B	-----	3	3
Chemistry 1A-1B	-----	5	5
Foreign Language	-----	3	3
*Physics 2A-2B	} -----	3	3
or			
†Year course	-----	3	3
Electives	-----	2	2
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
		16 $\frac{1}{2}$	16 $\frac{1}{2}$

* Required if student did not have a course in Physics in high school.

† Chosen from the Letters and Science list, group (e).

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

N.B.—The entire course should be arranged to meet the requirements of the Junior Certificate in the College of Letters and Science of the University of California.

Pre-Engineering

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

Pre-Forestry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>15$\frac{1}{2}$</u>	<u>15$\frac{1}{2}$</u>

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A or Geography 1 -----	3	
Botany 4 -----		3
Economics 1A-1B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>15$\frac{1}{2}$</u>	<u>15$\frac{1}{2}$</u>

Pre-Legal

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French A-B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

French C-D -----	3	3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$

Liberal Arts

See Junior Certificate requirements of the College of Letters and Science at the beginning of this section (p. 45).

Pre-Medical

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French A-B -----	3	3
History 4A-4B -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French C-D -----	3	3
Year Course from group (e) ¹ -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ See p. 45.

Pre-Nursing

Recommended Sequence

One-Year Curriculum

	Sem. 1	Sem. 2
Anatomy 66	3	
Bacteriology 1	4	
English 1A	3	
Physical Education 2	2	
Physical Education Activity	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1		5
Psychology 1		3
Orientation	1	
Electives	3	8
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Two-Year Curriculum

FRESHMAN YEAR

Anatomy 66	3	
Chemistry 2	3	
English 1A-1B	3	3
Physiology 1		5
History 4A-4B	3	3
Foreign Language	3	3
Physical Education 2		2
Orientation	1	
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Bacteriology 1	4	
Psychology 1		3
Economics 1A-1B	3	3
Philosophy 6A-6B	3	3
Political Science 151		2
Electives	6	5
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Optometry

Recommended Sequence

FRESHMAN YEAR		Sem. 1	Sem. 2
English 1A-1B (Comp. and Lit.)	-----	3	3
*Foreign Language	-----	3	3
Orientation	-----	1	
Phys. Educ. 2 (Hygiene)	-----		2
Phys. Educ. (Activities)	-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (Gen. Physics Lectures)	-----	3	3
Physics 3A-3B (Gen. Physics Laboratory)	-----	1	1
Psychology 1 (General Psychology)	-----	3	
Elective	-----	2	3
		16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 1A-1B (General Chemistry)	-----	5	5
Mathematics 3A-3B (Plane Anal. Geom. and Calculus)	---	3	3
Phys. Educ. (Activities)	-----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 (Introductory Physiology)	-----		5
*Year Course (Group e)	-----	3	3
Elective (Bacteriology 1 recommended)	-----	4	
		15 $\frac{1}{2}$	16 $\frac{1}{2}$

* See the requirements for the Junior Certificate, College of Letters and Science, University of California, listed on p. 45 of this catalog.

Pre-Pharmacy

Recommended Sequence

FRESHMAN YEAR		Sem. 1	Sem. 2
Chemistry 1A-1B	-----	5	5
†Mathematics 1	-----	3	
†Mathematics C	-----	3	
Botany 1A-1B	-----	4	4
Electives	-----		6
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
		15 $\frac{1}{2}$	15 $\frac{1}{2}$

† Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A or Public Speaking 1A.

ADMINISTRATION CREDENTIAL CURRICULA

An Administration Credential is required for the position of principal of a school of more than five teachers. It is also required for a supervisor devoting more than half-time to supervision of instruction.

There are two types of Elementary School Administration Credentials:

1. THE ELEMENTARY SCHOOL PRINCIPAL OR SUPERVISOR—for principals or supervisors working under a superintendent of schools.

2. THE ELEMENTARY SCHOOL EXECUTIVE—for principals or superintendents working directly under a board of education.

General Requirements

A candidate for an Elementary School Administration Credential must

- (a) hold a valid General Elementary Credential;
- (b) present a health certificate signed by a licensed physician;
- (c) submit verification of two years of successful teaching experience;
- (d) complete, with a scholarship average of C,
for Type 1—18 semester units of work
for Type 2—24 semester units of work

beyond all requirements for the General Elementary Credential in courses taken concurrently with or subsequent to teaching experience.

Course Requirements

	Type 1 Units	Type 2 Units
1. Professional courses-----	(10)	(12)
(a) Required		
Educ. 115, Educational Tests and Measurements--	2	2
Educ. 139, Elementary School Curriculum-----	2	2
Educ. 140A, School Administration and Supervi-		
sion -----	2	2
Educ. 140B, Field Work -----	2	2
Educ. 144, State and County School Administra-		
tion -----	--	2
Educ. 152, Visual Education -----	2	2
(b) Elective courses (to be selected only by those who		
have already completed some of the above required		
courses).		
2. Nonprofessional courses-----	8	12
Total units required-----	18	24

AERONAUTICS

In conjunction with the Pierce Flying Service of Eureka the College has been authorized by the Civil Aeronautics Authority to give work leading to a private pilot certificate.* This flight course is outlined and largely financed by the federal government. It consists of ground work of approximately 72 hours in theory given at the College and 50 hours of flight training given by the Pierce Flying Service.

This course is open to a limited number of men who (1) are between the ages of 18 and 24 inclusive, (2) have passed the medical examination given by an authorized examiner, and (3) are full-time students at the College with at least sophomore standing, or, if not enrolled in the College, have had at least two years of college work. It is open to students who have a secondary interest in aviation as well as those who have chosen some branch of aeronautics as a vocation or profession. College credit will be given to those who wish it and who are enrolled in the College (see Aeronautics under "Description of Courses"). A fee of \$15 is charged each enrollee to cover the cost of insurance and the medical examination.

For further information and for making application communicate with Miss Sarah Davies, Secretary to the President, Humboldt State College.

* This authorization is subject to annual renewal.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and seniors as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open only to students who have attained upper division status and who have completed a lower division course or courses deemed preparatory by the department concerned. Sometimes they are elementary courses in subjects of such advanced character as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399, inclusive. They are open only to upper division or graduate students.

Courses designated with a letter only (A, B, C, or D) are courses of high school level that are taught in college.

The semester in which a course is taught is indicated parenthetically after the title. Those courses designated "year" run consecutively through both the fall and spring semesters.

A course designated by a double number (e.g., English 1A-1B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first number in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where parts of a course with the same number are listed separately, e.g., Music 3A, Music 3B, the A part is not prerequisite to the B part, unless explicitly so stated.

Some courses are designated by a number and a succession of letters without repetition of the number before each letter, e.g., Speech 25A, B, C, D; Physical Education 6A, B. In such instances the letters indicate the number of times the particular course may be taken for credit.

Because of varying exigencies from semester to semester in making up the schedule of classes, the instructor and time and place of meeting of each course of instruction are not given in the following descriptions. At the end of each semester a schedule of classes, containing such information for the following semester, is made up and mimeographed for distribution.

AERONAUTICS

For additional details see p. 54.

1. **C. A. A. Ground Course** (fall, spring) 4 units
Meteorology, navigation, and civil air regulations.
2. **C. A. A. Flight Course** (fall, spring) 1 unit
Flight training leading to the civilian's pilot license.

ART

MAJOR AND MINOR REQUIREMENTS

<i>Junior High School Major in Allied Arts</i>		<i>Minor in Art</i>
Lower Division	12 or more L.D. units* to be chosen from—	Art 6 _____ 3 units Additional L.D. _____
	Art 1 _____ 2 units	Art _____ 3 units
	Art 2 _____ 3 units	
	Art 3 _____ 3 units	
	Art 4 _____ 2 or 3 units	
	Home Econ. 1A _____ 3 units	
	Home Econ. 3 _____ 2 units	
	Home Econ. 10A _____ 3 units	
	Home Econ. 11 _____ 2 units	
	Ind. Educ. 5 _____ 2 or 3 units	
	Ind. Educ. 7A _____ 2 units	
	Ind. Educ. 12 _____ 3 units	
	Ind. Educ. 13 _____ 2 or 3 units	
	Ind. Educ. 15 _____ 3 units	
	Ind. Educ. 51 _____ 3 units	
Upper Division	12 or more U.D. units* to be chosen from—	Art 115A _____ 3 units Additional U.D. _____
	Art 102 _____ 3 units	Art _____ 3 units
	Art 104 _____ 3 units	
	Art 115A _____ 3 units	
	Home Econ. 101 _____ 3 units	
	Home Econ. 130 _____ 3 units	
	Home Econ. 140 _____ 3 units	
	Home Econ. 150 _____ 2 units	
	Ind. Educ. 101 _____ 2 or 3 units	
	Ind. Educ. 103 _____ 2 or 3 units	
	Ind. Educ. 105 _____ 2 units	
	Ind. Educ. 112 _____ 2 or 3 units	
	Ind. Educ. 124 _____ 2 units	
Total units required	Minimum of 24 units	12 units

* The distribution of lower and of upper division units among the three branches of Allied Arts is to be determined in conference with the faculty adviser.

DESCRIPTION OF COURSES

LOWER DIVISION

1. **Art Structure** (fall, spring) 2 units
 Analysis of structural principles of art; the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.
 Two one-hour periods per week.
 Fee, \$1.50.
2. **Design** (spring) 3 units
 The organization of line, mass, space, volume, and color into patterns for surface decorations.
 Prerequisite: Art 1.
 Three one-hour periods per week.
 Fee, \$1.25.
3. **Art Appreciation** (fall) 3 units
 A study of the development of art through the early historic periods and of schools in architecture, sculpture, painting, and minor arts up to the 20th century.
 Three one-hour periods per week.
 Fee, \$1.00.
4. **Graphic Expression** (spring) 3 units
 A study of form and space in proportion and composition, expressed with line, value, and color.
 Three two-hour periods per week.
 Fee, \$1.25.
6. **Elementary Crafts** (fall) 2 or 3 units
 Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft.
 Two or three one-hour periods per week.
 Fee, \$1.75.
7. **Puppetry** (spring) 2 or 3 units
 Puppetry and its stagecraft.
 Two or three one-hour periods per week.
 Fee, \$1.75.
15. **Lettering** (fall) 3 units
 Practice in the technique of lettering; use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm; study of the various types of letters.
 Three one-hour periods per week.
 Fee, \$2.25.
- 20 or 120. **Flower Arrangement** (fall, spring) 1 unit
 Application of the basic principles of art to the arrangement of flowers.
 One one-hour period per week.

UPPER DIVISION

- 102. Applied Design (spring)** **3 units**
 Advanced problems in original design, both structural and decorative, suitable for industrial uses: application of some of the designs to materials.
 Prerequisite: Art 1 and Art 2.
 Three one-hour periods per week.
 Fee, \$1.00.
- 104. Advanced Graphic Expression (spring)** **1, 2, or 3 units**
 The student works in any medium he wishes and furnishes his own materials.
 Prerequisite: Art 4 or its equivalent.
 One, two, or three two-hour periods per week.
- 106. Advanced Crafts (fall)** **1, 2, or 3 units**
 Plastic modeling and carving in wood, soap, and other media.
 Prerequisite: Art 6.
 One, two, or three one-hour periods per week.
- 115A. Lettering (fall)** **3 units**
 Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the college.
 Three one-hour periods per week.
 Fee, \$2.25.
- 115B. Advanced Lettering (fall)** **3 units**
 Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of books. Continuation of poster service for college activities.
 Prerequisite: Art 15 or Art 115A.
 Three one-hour periods per week.
 Fee, \$2.25.
- 120. Flower Arrangement (fall, spring)** **1 unit**
 See Art 20.
- 190. Practicum in Art (fall, spring)** **2 units**
 Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation and some participation in teaching. May be applied in satisfaction of major and minor requirements in Art.
 Prerequisite: Art 1.
 Fee, \$1.25.

BIOLOGICAL AND PHYSICAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN BIOLOGICAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Biological Sciences -----	16
(See tabulation of major requirements on p. 62.)	
English	
1A-1B (Composition and Literature) -----	6
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Physical Education -----	4
2 (Hygiene) -----	2
Activities (one-half unit each semester) -----	2
Physical Sciences -----	8
Chemistry 1A (General Chemistry) -----	5
Physics 10 (Introduction to Modern Physics) -----	3
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
Economics 1A-1B (Principles of Economics) -----	6
Electives (two units may be upper division) -----	8

UPPER DIVISION

Biological Sciences -----	24
(See tabulation of major requirements below.)	
Physical Science	
Chemistry 108 (Organic Chemistry) -----	3
Political Science	
151 (American National Government) -----	2
Electives—enough to bring total of units up to 124.	

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

COURSE REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN BIOLOGICAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Biological Sciences, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 40.

The total number of units required remains the same, i.e., 124.

TWO-YEAR TERMINAL CURRICULUM IN PHOTOGRAPHY

Recommended Sequence

FRESHMAN YEAR		Sem. 1	Sem. 2
Art 1 (Art Structure)-----		2	
Art 2 (Design)-----			2
Art 15 (Lettering)-----		3	
Chemistry 2 (Elem. Inorganic Chemistry)-----		3	
English 1A-1B (Comp. and Lit.)-----		3	3
History 4A-4B (Western Civilization)-----		3	3
Orientation-----		1	
Phys. Educ. 2 (Hygiene)-----			2
Phys. Educ. (Activities)-----		$\frac{1}{2}$	$\frac{1}{2}$
Physics 20 (Elementary Photography)-----			2
Elective-----			3
		15 $\frac{1}{2}$	15 $\frac{1}{2}$
SOPHOMORE YEAR			
Art 3 (Art Appreciation)-----		3	
Commerce 2A (Typing)-----		2	
Commerce 14A (Accounting)-----		3	
Phys. Educ. (Activities)-----		$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (General Physics Lectures)-----		3	3
Physics 21 (Advanced Photography)-----		2 or 3	
Physics 22 (Applied Photography)-----			2 or 3
Pol. Sci. 151 (American Government)-----			2
Psychology 1 (General Psychology)-----			3
Speech 1A (Public Speaking)-----			3
Speech 25A (Dram. Workshop—Lighting)-----		2	
Elective-----			2
		15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$ -16 $\frac{1}{2}$

TWO-YEAR TERMINAL CURRICULUM IN WILDLIFE
MANAGEMENT

This curriculum is designed to prepare students for work on private game farms and for work with the fish and game commissions of the State and Federal governments.

Recommended Sequence

FRESHMAN YEAR		Sem. 1	Sem. 2
Botany 4 (Classification of Flowering Plants)-----			3
Chemistry 2 (Elem. Inorganic Chemistry)-----	3		
English 1A-1B (Comp. and Lit.)-----	3		3
Orientation-----	1		
Phys. Educ. 2 (Hygiene)-----	2		
Phys. Educ. (Activities)-----	$\frac{1}{2}$		$\frac{1}{2}$
Wlf. Man. 10 (Conservation of Wildlife)-----	3		
Wlf. Man. 60 (Game Bird Management)-----			3
Zoology 1A-1B (General Zoology)-----	4		4
Elective-----			3
	16 $\frac{1}{2}$		16 $\frac{1}{2}$
SOPHOMORE YEAR			
Bacteriology 1 (General Bacteriology)-----	4		
Botany 107 (Plant Ecology)-----	3		
Botany 110B (Systematic Botany)-----			3
Economics 1A-1B (Principles of Econ.)-----	3		3
Phys. Educ. (Activities)-----	$\frac{1}{2}$		$\frac{1}{2}$
Pol. Sci. 151 (American Government)-----			2
Speech 1A (Public Speaking)-----	3		
Wlf. Man. 53 (Hatchery Biology)-----			3
Wlf. Man. 62 (Diseases of Game Birds)-----	3		
Zoology 165 (Ornithology)-----			3
	16 $\frac{1}{2}$		14 $\frac{1}{2}$

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major in Biological Sciences</i>	<i>Junior High School Major in Biological Sciences</i>
Lower Division	Botany 1A-1B----- 8 units Zoology 1A-1B----- 8 units Recommended electives: Bacteriology 1, Botany 4, Zoology 4, Geology 1A, Paleontology 1, Physiology 1, Anatomy 66.	Biol. 10A-10B ----- 6 units Botany 4 ----- 3 units Zoology 4 ----- 3 units
Upper Division	Emphasis must be on either Botany or Zoology— Botany emphasis Biol. 114----- 3 units Bot. 110A-110B----- 6 units At least 15 units chosen from— Biol. 101 ----- 3 units Biol. 103 ----- 2 or 3 units Bot. 101A-101B ----- 6 units Bot. 104 ----- 3 units Bot. 105 ----- 3 units Bot. 107 ----- 3 units Zoology emphasis Biol. 114----- 3 units Zool. 112-113----- 6 units At least 15 units chosen from— Biol. 101 ----- 3 units Biol. 103 ----- 2 or 3 units Zool. 160 ----- 3 units Zool. 165 ----- 3 units Other courses by arrangement ----- 4 units	12 units of U. D. Biology, Botany, or Zoology
Total units required	40 units	24 units

	<i>Biology Minor</i>	<i>Botany Minor</i>	<i>Zoology Minor</i>
Lower Division	Biology 10A-10B-6 units	Botany 1A-1B-----8 units or Biology 10A-10B-----6 units and Botany 4-----3 units	Zoology 1A-1B---8 units or Biology 10A-10B-6 units and Zoology 4---3 units
Upper Division	6 units chosen from— Biology 101-----3 units Biology 114-----3 units Biology 190-----2 units Botany 114-----3 units Botany 107-----3 units Botany 110A-110B 6 units Zoology 165 -----3 units	6 units chosen from— Any U. D. Botany course Biology 114-----3 units The Biology minor is recommended for credential candi- dates but is not advised for students planning to trans- fer to or do graduate work at a university.	6 units chosen from— Any U. D. Zoology course Biology 101-----3 units Biology 114-----3 units
Total units required	12 units	14 or 15 units	14 or 15 units

DESCRIPTION OF COURSES

Biological Sciences

Bacteriology

1. General Bacteriology (fall) 4 units

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases.

Two one-hour lecture and two three-hour laboratory periods per week.

Fee, \$4.00.

Biology

LOWER DIVISION

10A-10B. General Biology (year) 3-3 units

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life.

Two one-hour lecture periods and one three-hour laboratory period per week.

Fee, \$1.50 per semester.

UPPER DIVISION

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

***101. Marine Biology (spring) 3 units**

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

Fee, \$1.50.

103. Micro-Technique (spring) 2 or 3 units

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two or three three-hour periods per week.

Fee, \$1.00.

114. Genetics (fall) 3 units

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

190. Natural Science in the Elementary School (fall) 2 units

Objectives, methods, and content of the elementary school science program.

Two one-hour periods per week.

Fee, \$1.00.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

LOWER DIVISION**1A-1B. General Botany (year) 4-4 units**

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Field trips will be made to points near the College, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week. Fee, \$2.00 each semester.

4. Classification of Flowering Plants (spring) 3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lecture and one three-hour laboratory periods per week. Fee, \$1.50.

UPPER DIVISION

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 4.

***101A-101B. Mycology (year) 3-3 units**

First semester: Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

Second semester: Basidiomycetes and fungi imperfecti.

One lecture and two three-hour laboratory periods per week.

Fee, \$1.50 each semester.

105. Plant Anatomy (fall) 3 units

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

Fee, \$1.50.

* Not given 1941-42.

107. Plant Ecology (fall)**3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of native plants to this area.

Three one-hour periods per week.

110A-110B. Systematic Botany (year)*3-3 units**

First semester: A study of the forest trees and shrubs, with field identification, and a critical study of the characters and habits of gymnosperms.

Second semester: A study of representative orders of flowering plants; their habits, growth, structure, classification, and geographical distribution.

One one-hour lecture and two three-hour laboratory periods per week.
Fee, \$1.50 each semester.

114. Advanced Ornamental Plants (spring)**3 units**

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods per week.
Fee, \$1.50.

Physiology and Anatomy**1. Introductory Physiology (spring)****5 units**

A general introductory course on human physiology.

Three one-hour lecture and two three-hour laboratory periods per week.

Fee, \$2.50.

66. Elementary Human Anatomy (fall)**3 units**

Demonstration and laboratory study of human dissections, models, and prepared microscopic slides. Designed particularly for nurses and Physical Education majors.

Prerequisite: Zoology 1A.

One one-hour lecture and two three-hour laboratory periods per week.
Fee, \$1.50.

Wildlife Management**10. Conservation of Wildlife (fall)****3 units**

Conservation of fishes, birds, mammals, and the related associations of fields, forests, and waters. A survey of scientific methods applied to conservation. Field trips to conservation projects being undertaken in the immediate region.

Three one-hour periods per week.

Fee, \$2.00.

* Not given 1941-42.

53. Hatchery Biology (spring) 3 units

A study of the problems involved in the artificial propagation of fishes, with practical work on salmonoid fishes in the College hatchery.

Two one-hour periods per week and additional work in the hatchery.
Fee, \$2.00.

60. Game Bird Management (spring) 3 units

A review of artificial and seminatural methods of rearing upland game birds and water fowl. Quail and pheasant chicks obtained from the Bureau of State Game Farms will be reared to liberation age and released by students. Field trips to State Game Farms.

Three one-hour periods per week.

***62. Diseases of Game Birds (fall) 3 units**

Three one-hour periods per week.

Zoology**LOWER DIVISION****1A-1B. General Zoology (year) 4-4 units**

First semester: An introduction to the facts and principles of animal biology with special reference to the structure, function, and evolution of animals.

Second semester: Structure and development of chordates, including the study of a mammal.

Two one-hour lecture and two three-hour laboratory periods per week.
Fee, \$2.00 each semester.

***4. Animal Classification (fall) 3 units**

Elementary classification and natural history of the common vertebrates and invertebrates; life histories and methods of conservation. Emphasis is on the animal life of the Humboldt bay region. Designed for teaching credential candidates who do not elect Zoology 1A.

Two one-hour lecture and one three-hour laboratory periods per week.
Fee, \$1.50.

UPPER DIVISION

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 4.

112. Invertebrate Zoology (fall) 3 units

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lecture and one three-hour laboratory period per week.
Fee, \$1.50.

113. Vertebrate Zoology (spring) 3 units

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification.

Two one-hour lecture and one three-hour laboratory periods per week.
Fee, \$1.50.

***160. Embryology (fall)**

3 units

The maturation of egg and sperm; fertilization; and the early development of the amphibian, chick, and mammal.

Two one-hour lecture and one three-hour laboratory and demonstration periods per week.

Fee, \$1.00.

***165. Ornithology (spring)**

3 units

A study of birds, which includes taxonomy, life histories, migration, habits, and special modifications. Identification of birds in field and laboratory.

Two one-hour lecture and one three-hour laboratory periods per week.

Fee, \$1.50.

Physical Sciences

Chemistry

LOWER DIVISION

1A-1B. General Chemistry (year)

5-5 units

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure.

Prerequisites: High school chemistry or Chemistry 2, and at least two years of high school mathematics.

Three one-hour lecture and two three-hour laboratory periods per week.

Fee, \$5.00 each semester.

2. Elementary Inorganic Chemistry (fall)

3 units

A general survey of inorganic chemistry for those who need only an elementary knowledge of the subject, such as nurses and majors in home economics, wildlife management, photography, etc. Lectures and demonstrations.

Two one-hour lecture periods and one two-hour laboratory-demonstration period per week.

Fee, \$1.00.

UPPER DIVISION

108. Organic Chemistry Lectures (spring)

3 units

A survey of the carbon compounds.

Prerequisite: Chemistry 1A-1B or Chemistry 2.

Three one-hour lecture periods per week.

†109. Organic Chemistry Laboratory

3 units

Study of the carbon compounds in the laboratory. Taken concurrently with or after Chemistry 108.

Three three-hour laboratory periods per week.

Fee, \$5.00.

* Not given 1941-42.

† Given if sufficient demand.

Geology**1A. General Geology (fall)****3 units**

A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.

Three one-hour periods per week and field trips.

Fee, \$3.00.

Paleontology**1. General Paleontology (spring)****3 units**

The history and principles of the development of life on the earth. History of the development of man and his relation to vertebrate life.

Three one-hour lecture periods per week.

Physics**1A-1B. Physics (year)****3-3 units**

First semester: The elementary principles of mechanics.

Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.

Prerequisites: Three years of high school mathematics, including trigonometry (which may be taken concurrently).

Two one-hour lecture and one three-hour laboratory periods per week.

Fee, \$2.50 each semester.

†2A-2B. General Physics Lectures (year)**3-3 units**

A general survey of physics for students of the biological sciences. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

†3A-3B. General Physics Laboratory (year)**1-1 unit**

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity. To accompany Physics 2A-2B.

One three-hour laboratory period per week.

Fee, \$2.50 each semester.

10. Introduction to Modern Physics (spring)**3 units**

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour periods per week.

† Given if sufficient demand.

20. Elementary Photography (spring) 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

One one-hour lecture and one three-hour laboratory period per week.
Fee, \$2.00.

21. Advanced Photography (fall, spring) 2 or 3 units

Qualified students undertake work along various specialized lines.
Prerequisite: Physics 20 and consent of the instructor.

Hours to be arranged.

Fee, \$2.00.

22. Applied Photography (fall, spring) 2 or 3 units

Students are placed in commercial photographic studios where experience under actual working conditions may be secured.

Open to a limited number of specially qualified students.

Hours to be arranged.

Fee, \$2.00.

***30. Elementary Meteorology (fall) 3 units**

Absorption and distribution of solar energy; structure and dynamics of the atmosphere; and methods of recording and predicting the weather. Designed especially for students in aeronautics.

Three one-hour periods per week.

CIVIL ENGINEERING

See Mathematics and Philosophy, Division of Civil Engineering.

* Not given 1941-42.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

FIRST THREE YEARS OF PRE-SECONDARY CURRICULUM IN BUSINESS EDUCATION

This curriculum is directed towards an A.B. degree with a major and Special Secondary Credential in Business Education. To complete the work for the degree and credential the student will have to transfer to another institution equipped to give the more advanced courses required in this curriculum.

FRESHMAN YEAR			
<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
Com. 2 (Typing)-----	2	Com. 2 (Typing)-----	2
Com. 5 (Business Machines)-----	2	Com. 14B (Accounting)-----	3
Com. 14A (Accounting)-----	3	Com. 21 (Business Math.)-----	3
Biol. 10A (General Biology)-----	3	Biol. 10B (General Biology)-----	3
Eng. 1A (Composition)-----	3	Eng. 1B (Comp. and Literature)-----	3
Geog. 2 (Cult. & Reg. Geog.)-----	2	Physical Education-----	$\frac{1}{2}$
Orientation-----	1	Speech 1A (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$		
	16 $\frac{1}{2}$		17 $\frac{1}{2}$

SOPHOMORE YEAR			
Com. 1A (Shorthand I)-----	5	Com. 1B (Shorthand II)-----	5
Art 15 (Lettering)-----	3	Econ. 1B (Principles of Econ.)-----	3
Econ. 1A (Principles of Econ.)-----	3	Psych. 1 (General Psychology)-----	3
Natural Science-----	4	Speech 1B (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$	Natural Science-----	4
		Physical Education-----	$\frac{1}{2}$
	15 $\frac{1}{2}$		18 $\frac{1}{2}$

JUNIOR YEAR			
Com. 40 (Business Law I)-----	3	Com. 41B (Bus. Corresp.)-----	3
Com. 50 (Salesmanship)-----	2	Com. 130 (Business Law II)-----	3
Econ. 40 (Elem. Stat. Methods)-----	3	Com. 134 (Marketing)-----	3
Econ. 113 (Econ.-Soc. Hist. U. S.)-----	3	Econ. 120 (Bus. Organization)-----	3
Econ. 135 (Money and Banking)-----	3	Educ. 110 (Educ. Psychology)-----	3
Phys. Ed. 2 (Hygiene)-----	2	Pol. Sci. 151 (Amer. Nat. Govt.)-----	2
	16		17

State requirement: 1000 hours or six months of acceptable business experience.

CURRICULA IN COMMERCIAL TRAINING

The College offers three two-year terminal curricula in Commercial Training. (1) A thorough course in Secretarial Training prepares students for stenographic or secretarial positions. (2) Students seeking training in the essential skills and a knowledge of business may enroll in a General Business curriculum. (3) The Merchandising curriculum provides some degree of specialization for students wishing to enter that field of business.

The student electing any one of these curricula must complete a minimum of 60 semester units of college work and must maintain a scholarship average of C in order to receive the two-year diploma.¹

Course Requirements for Commercial Training Curricula

Suggested Sequence

FRESHMAN YEAR

First Semester

Subjects		Units		
		Secretarial Training	General Business	Merchandising
Commerce 1A	-----	5	--	--
Commerce 2A	-----	2	2	2
Commerce 40	-----	3	--	--
Commerce 40 or 50	-----	--	3 or 2	3 or 2
Commerce 41A	-----	3	3	3
Orientation	-----	1	1	1
Phys. Educ.	-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A	-----	--	3	3
Elective	-----	2	4	4
Totals	-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects		Units		
		Secretarial Training	General Business	Merchandising
Commerce 1B	-----	5	--	--
Commerce 2B	-----	2	2	2
Commerce 4	-----	1	--	--
Commerce 5	-----	--	--	2
Commerce 21	-----	3	3	3
Commerce 41B	-----	3	3	3
Phys. Educ.	-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1	-----	--	--	3
Speech 1B	-----	--	3	--
Elective	-----	2	4	3
Totals	-----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ The scholarship requirement of an average of C will not be applied to those students completing these curricula before the spring semester of 1943.

SOPHOMORE YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Art 15 -----	---	---	3
Commerce 1C -----	5	---	---
Commerce 2C -----	2	---	---
Commerce 14A -----	3	3	3
Commerce 50 or 40 -----	---	2 or 3	2 or 3
Commerce 71 -----	3	---	---
Economics 1A -----	---	3	3
Phys. Educ. 2 -----	---	---	2
Phys. Educ. -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 -----	---	3	---
Elective -----	3	4	3
Totals -----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1D -----	5	---	---
Commerce 2D -----	2	---	---
Commerce 14B -----	3	3	3
Commerce 69 -----	3	---	---
Commerce 130 or 134 -----	---	3	3
Economics 1B -----	---	3	3
English 1A -----	3	---	---
Phys. Educ. -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 -----	---	---	2
Speech 1B -----	---	---	3
Elective -----	---	6	2
Totals -----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$
Total units required -----	60	60	60

Suggested electives: Commerce 4, 5, 12, 50, 134; Economics 118; English 1A; Home Economics 3; Physical Education 2; Psychology 1; Speech 1A, 1B. Students who contemplate the possibility of transferring later to a four-year degree curriculum would do well to choose some electives in the fields of Biological and Physical Sciences.

MAJOR AND MINOR REQUIREMENTS

Liberal Arts Major in Economics and Business		Minor in Commerce	
Lower Division	See tabulation under Department of Social Sciences, p. 117	Commerce 40 -----	3 units
Includes		Additional L. D.	
	Commerce 14A-14B ----- 6 units	Commerce -----	3 units
	Commerce 40 ----- 3 units		
Upper Division	See tabulation under Department of Social Sciences, p. 117	Commerce 130 -----	3 units
Includes		Commerce 134 -----	3 units
	Commerce 130 ----- 3 units		
	Commerce 134 ----- 3 units		
Total units required	42 units		12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Shorthand I (fall, spring) 5 units

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. Shorthand II (fall, spring) 5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Prerequisite: Commerce 1A or its equivalent.

Five one-hour periods per week.

1C. Shorthand III (fall, spring) 5 units

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Prerequisite: Commerce 1B or its equivalent.

Five one-hour periods per week.

1D. Shorthand IV (fall, spring) 5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

2A. Typing I (fall, spring) 2 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Six one-hour periods per week.

Fee, \$1.00.

2B. Typing II (fall, spring) 2 units

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Prerequisite: Commercial 2A or its equivalent.

Six one-hour periods per week.

Fee, \$1.00.

- 2C. Typing III (fall, spring) 2 units**
Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.
Prerequisite: Commerce 2B or its equivalent.
Six one-hour periods per week.
Fee, \$1.00.
- 2D. Typing IV (fall, spring) 2 units**
Advanced drills for accuracy and speed; law office typing; actual secretarial practice, including work with the dictaphone.
Prerequisite: Commerce 2C or its equivalent.
Six one-hour periods per week.
Fee, \$1.00.
- 3. Filing (spring) 2 units**
Practice is given in all the methods of correspondence filing, such as The Triple Check Automatic Index, Varidex Alphabetic, Subject, Numeric, and Geographic. Attention is given to cross-indexing, coding, and follow-up or tickler systems. Strictly up-to-date filing outfits are used.
Two one-hour periods per week.
- 4. Spelling (spring) 1 unit**
A study of words used in business and industry with special drill on those commonly misspelled.
Two one-hour periods per week.
- 5. Business Machines (fall, spring) 2 units**
An intensive study of modern office machinery, including calculators, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.
Two one-hour periods per week.
Fee, \$0.25.
- *10. Penmanship No credit**
A thorough course in practical business penmanship planned to meet the needs of teachers of penmanship. This course will be flexible enough to care for students who fail to meet major department standards.
Three one-hour periods per week.
- 12. Bookkeeping (fall) 3 units**
An introductory course in present-day theory and practice. Designed for those students with an employment objective who desire practical training in bookkeeping.
Three one-hour periods per week.

* Not given 1941-42.

14A-14B. Accounting (year)

3-3 units

First semester: An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Second semester: A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, nonprofit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspects of accounting.

Prerequisite: Commerce 12 or its equivalent.

Three one-hour periods per week.

21. Business Mathematics (spring)

3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

***40. Business Law I (fall)**

3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. Business English and Correspondence (year)

3-3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

50. Salesmanship (fall)

2 units

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

69. Secretarial Training (spring)

3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances.

Prerequisite: Commerce 2B and 41A-41B.

Three one-hour periods per week.

* Not given 1941-42.

71. Shorthand Transcription (fall)**3 units**

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

UPPER DIVISION***130. Business law II (spring)****3 units**

Civil Code of California; corporation law; law of personal and real property, carriers, trademarks, copyrights, bailments; and law of bankruptcy. Textbook, cases, and lectures.

Prerequisite: Commerce 40.

Three one-hour periods per week.

134. Marketing (spring)**3 units**

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Prerequisite: Upper division status.

Three one-hour periods per week.

* Not given 1941-42.

EDUCATION AND TEACHER TRAINING

REQUIREMENTS FOR THE A.B. DEGREE WITH A CREDENTIAL

Credentials granted. The College customarily grants the General Elementary Credential, the combined General Elementary and Junior High School Credentials, the combined General Elementary and Kindergarten-Primary Credentials, and the Special Secondary Credential in Physical Education, either alone or in combination with one of the others. In rare cases the College grants the Junior High School Credential by itself to individuals who intend to continue without interruption study towards a General Secondary Credential. Because the Kindergarten-Primary Credential by itself is not practical in this part of the state, the College has chosen to grant it in conjunction with the General Elementary Credential, only rarely by itself.

Units required. For the A.B. degree with one credential 124 units are required. For each additional credential 12 more units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in non-professional fields of study.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is 24 units completed at this College. Of these 24 units not more than 12 may be taken in the extension division of the College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Fundamentals. All candidates for a credential are required to show an everyday working knowledge of the fundamental subjects in the elementary school curriculum—English grammar, arithmetic, history, geography, and spell-

ing. Standardized tests in these subjects are given in the class in Curriculum Activities (Education 133). A satisfactory score in these achievement tests is prerequisite to Education 320, 321, 322, and 323.

Majors and minors. Candidates for all teaching credentials must complete a major in Education. In addition, candidates for the General Elementary Credential and the combined General Elementary and Kindergarten-Primary credentials must complete two minors. Candidates for the Special Credential in Physical Education, whether alone or in combination with another, must also complete two minors; it is recommended that one of them be Zoology. Candidates for the Junior High School Credential, alone or in combination, must complete one teaching major and one minor. The list of available majors and minors is found on p. 41.

Scholarship. In addition to the requirement of a scholarship average of C for graduation with the A.B. degree, the College requires that candidates for a teaching credential maintain (a) a general scholarship average of C before enrolling in Education 133, 134, 192, 310, 320, 321, 322, 323; and (b) an average of C in all courses taken in Education, i.e., in the major in Education. Candidates for the General Junior High School Credential must maintain an average of C also in the teaching major and minor.

In their student teaching candidates must do satisfactory work, i.e., equivalent to a grade of "C" or better. If a student teacher falls short of the required standards, he or she will be given an Incomplete and allowed another semester's trial. If the second semester's work is unsatisfactory, it may be assumed that the candidate lacks the requisite qualities for successful teaching. However, every effort is made to ascertain whether or not a candidate possesses these qualities before allowing him to undertake student teaching. Only a grade of + or F is given for student teaching; no letter grades are given. The units of the student teaching courses do not figure in the calculation of the candidate's scholarship index.

Student teaching. Before being permitted to undertake student teaching a candidate for a teaching credential must have given evidence of (a) an adequate knowledge of the fundamentals, (b) the personal qualities essential to success and desirable in a teacher, and (c) physical fitness.

Student teaching offers a highly profitable experience to the prospective teacher. In order to increase his or her chances for success and to minimize possible discouragement the student is brought gradually to his classroom responsibilities. In the preparatory courses in Education an attempt is made wherever possible to relate theory to the schoolroom activities, with the College Elementary School as the laboratory. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. The prospective teacher is enabled thereby, before undertaking supervised teaching in the Elementary School, to familiarize himself with classroom conditions, procedures, and activities, with the books and materials of the classroom, and with the habits and learning processes of children. Then, in either semester of the senior year, preferably the first, the prospective teacher teaches under trained supervisors for three hours a day. Nine weeks is spent teaching a lower grade and nine weeks an upper grade.

Concurrently with or in the semester following student teaching the prospective teacher takes Philosophy of Education, in which an effort is made to help the student formulate for himself a philosophy and ideals of education, especially in the light of the American democratic tradition.

Required courses. The courses required for the several credentials are listed, in the order of recommended sequence, in the following table:

Course Requirements for A.B. Degree with Teaching Credential

Sequence Suggested

FRESHMAN YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 10A ¹ -----	3	3	3	--
Education 1 -----	1	1	1	1
English 1A* -----	3	3	3	3
History 4A -----	3	3	3	3
Orientation -----	1	1	1	1
Phys. Educ. 2 -----	2	2	2	2
Phys. Educ. 5 or 15 -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Zoology 1A -----	--	--	--	4
Elective -----	2	2	2	2
	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 1	---	---	---	2
Biology 10B ¹	3	3	3	---
English 1B	3	3	3	3
History 4B	3	3	3	3
Music 1*	3	3	3	3
Phys. Educ. Activity	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physiology 1	---	---	---	5
Speech 1A	---	---	---	3
Elective	3	3	3	3
Totals	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	17

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Anatomy 66	---	---	---	3
Art 1	2	2	2	---
Economics 1A	3	3	3	3
Geology 1A ²	3	3	3	---
Music 1*	---	---	---	3
Phys. Educ. Activity	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. 26A	---	---	---	$\frac{1}{2}$
Minor	3	3	3	3
Elective	4	4 (or major)	4	3
Totals	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Economics 1B	3	3	3	3
Geography 2*	---	---	---	2
Psychology 1	3	3	3	3
Phys. Educ. Activity	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physics 10*	3	3	3	3
Speech 1A	3	3	3	---
Elective or Minor	3	3 (or Major)	3	3
Music Examination	---	---	See Advisor	---
Totals	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

² Botany minors substitute Zoology 4 and Zoology minors Botany 4 for Geology 1A.

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Industrial Education 15-----	--	--	2 or 3	--
Elective or Minor or Major-----	--	6	4 or 3	--
Totals -----	--	6	6	--

JUNIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 100-----	3	3	3	--
Education 110-----	3	3	3	3
Education 111-----	--	--	3	--
Education 192-----	--	--	3	--
Geography 2*-----	2	2	2	--
Industrial Education 15 or 51-----	3	3	--	3
Mathematics 20*-----	2	2	2	--
Phys. Educ. 175-----	--	--	--	3
Phys. Educ. 176-----	--	--	--	2
Phys. Educ. 190B-----	1	1	1	1
Phys. Educ. 192A or 193A-----	--	--	--	2
Elective or Minor-----	3	3 (or Major)	--	3
Fundamentals-----	0	0	0	0
Totals -----	17	17	17	17

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 190-----	2	2	2	--
Education 100-----	--	--	--	3
Education 111-----	3	3	--	--
Education 133-----	2	2	2	--
Education 134-----	2	2	2	--
Education 310-----	1	1	1	--
Music 190-----	2	2	2	--
Phys. Educ. Activity-----	--	--	--	3
Phys. Educ. 192B or 193B-----	2	--	--	2
Phys. Educ. 199-----	2	2	2	2
Elective or Minor-----	3	3 (or Major)	6	9
Totals -----	17	17	17	16½

* Subject requirement may be satisfied by examination; no unit credit.

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art in the Kindergarten-Primary Grades ³	--	--	2	--
Literature and Story-Telling in the Kindergarten-Primary Grades ³	--	--	2	--
Rhythms and Games in the Kindergarten-Primary Grades ³	--	--	2	--
Elective or Minor or Major	--	6	--	--
Totals	--	6	6	--

SENIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 190 ⁴	2	2	2	--
Education 320 ⁵	8	8	8	--
Education 322	--	--	--	2
Phys. Educ. Activity	--	--	--	$\frac{1}{2}$
Phys. Educ. 151-A	--	--	--	2
Political Science 151	--	--	--	2
Elective or Minor	4	4	4	8
Totals	14	14	14	14 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 111	--	--	--	3
Education 124	3	3	3	3
Education 137	2	2	2	--
Education 170	--	2	--	--
Education 321	--	--	6	--
Education 323	--	--	--	2 or 4
Phys. Educ. Activity	--	--	--	$\frac{1}{2}$
Phys. Educ. 151-B	--	--	--	2
Phys. Educ. 198	--	--	--	2
Political Science 151	2	2	2	--
Elective or Minor	9	4	3	2
Major	--	3	--	--
Totals	16	16	16	14 $\frac{1}{2}$ -16 $\frac{1}{2}$
Total Required Units	124	136	136	124

³ Candidates for the Kindergarten-Primary Credential will have to take these courses at some other institution, equipped to offer them.

⁴ Majors and minors in Biological Sciences are not exempted from this required course.

⁵ Students combining the Special P. E. Credential with one of the general credentials should take Education 320 for 6 units.

In those rare cases when a student is permitted to work for the Junior High School Credential alone, he will follow the same course as outlined in the combined General Elementary-Junior High School Credential, less Education 137 and 10 elective units.

If the Special Physical Education Credential in combination with either the General Elementary or General Elementary-Junior High School Credential is desired, the requirements peculiar to the Special Physical Education Credential are added to the requirements common to it and its companion credential, the total units required for the combined credentials being 136.

MAJOR REQUIREMENTS

ALL UPPER DIVISION

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 1	1 unit	Ed. 133	2 units
Ed. 100	3 units	Ed. 134	2 units
Ed. 110	3 units	Ed. 310	1 unit
Ed. 124	3 units	Ed. 320	8 units

Additional requirements for specific credentials are as follows:

<i>General Elementary</i>		<i>General Junior High School</i>	<i>Kindergarten-Primary</i>	
Ed. 111_____	3 units	_____	Ed. 111_____	3 units
Ed. 137_____	2 units	_____	Ed. 137_____	2 units
_____		Ed. 170_____	2 units	_____
_____		_____	Ed. 192_____	3 units
_____		_____	Ed. 193_____	2 units
_____		_____	Ed. 194_____	2 units
_____		_____	Ed. 195_____	2 units
_____		_____	Ed. 321_____	6 units

Total units required

For General Elementary alone	27 units
For General Junior High School (rarely given alone)	24 units
For General Elementary-Junior High School	29 units
For General Elementary-Kindergarten-Primary	42 units

DESCRIPTION OF COURSES

Education

LOWER DIVISION

1. Teaching Orientation (fall, spring) 1 unit

Provides the prospective teacher with an opportunity to observe actual classroom procedures in the College Elementary School. Its purpose is to help the student determine early in his college career whether or not he should pursue a Teacher Education curriculum.

Two one-hour class periods and one noon-hour of play observation and participation per week.

UPPER DIVISION

100. Introduction to Education (fall, spring) **3 units**

This course aims to give prospective teachers at the beginning of their professional training a broad outlook of the American system of education.

Three one-hour periods per week.

110. Introduction to Educational Psychology (fall, spring) **3 units**

The learning activity of the individual from the standpoint of both the learner and the teacher. The psychological principles involved in the teaching of subject matter as well as in extra-instructional activities involved under actual teaching conditions and procedures. The psychological values of visual education.

Prerequisite: Psychology 1.

Three one-hour periods per week.

111. Growth and Development of the Child (fall, spring) **3 units**

A study of the psychological as well as the social development of the child including important aspects of mental hygiene involved in intellectual and emotional growth. The interrelationship of home, school, and community factors in child development is stressed.

A study of health supervision, environment, and methods of instruction as a basis for developing the school health program.

The course requirements include personal study of a child.

Three one-hour periods per week.

124. Philosophy of Education (fall, spring) **3 units**

The major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. Curriculum Activities¹ (fall, spring) **2 units**

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.

Taken in conjunction with Education 134 and 310.

Two one-hour periods per week.

134. Reading in the Elementary School¹ (fall, spring) **2 units**

Provides the prospective teacher with definite activities for the teaching of reading in the modern elementary school.

Taken in conjunction with Education 133 and 310.

One two-hour period per week.

137. Rural Education (fall, spring) **2 units**

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Prerequisite: Education 100.

Two one-hour periods per week.

¹ See Scholarship Requirements, p. 78.

170. Principles of Secondary Education (spring) 2 units

The philosophy, objectives, principles, organization, administration, and functioning of public schools for grades seven through fourteen. Special attention to adolescent psychology and the problems of teaching pupils in the adolescent period.

Prerequisite: Education 100 or consent of the instructor.

Two one-hour periods per week.

186. Personal and Professional Adjustment of the Teacher (spring) 2 units

This course is planned primarily for seniors doing their last semester of work. It includes a consideration of the following: legal aspects of teaching, adjustment of the teacher to the social environment, professional ethics, educational organizations, contemporary educational problems, securing a job, professional growth, and hygiene of the teacher.

Two one-hour periods per week.

192. Curriculum for the Kindergarten-Primary Grades¹ (fall) 3 units

A study of the curriculum, materials and teaching techniques in the Kindergarten-Primary grades. Observation of children and lessons taught for demonstration.

Two one-hour periods and one one-hour observation period per week.

310. Teaching I² (fall, spring) 1 unit

Observation and participation in classroom procedures; guidance of the growth and development of individuals and groups.

Taken in conjunction with Education 133 and 134.

Two one-hour periods per week.

320. Teaching II² (fall, spring) 8 units

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary or Junior High Credential.

321. Kindergarten-Primary Teaching² (fall, spring) 6 units

Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary Credential.

322. Elementary Physical Education Teaching² (fall, spring) 2 units

Students teach physical education daily in grades three to eight in the College Elementary School.

323. Secondary Physical Education Teaching² (fall, spring) 2 or 4 units

Students teach physical education daily one or two hours in a local secondary school.

Prerequisite: Education 322.

¹ See Scholarship Requirements, p. 78.

² See Scholarship and Fundamentals Requirements, pp. 77-78.

324. College Physical Education Teaching (fall, spring) **1 or 2 units**

Students assist in college physical education activity classes.

Prerequisites: Education 322 or 323 and recommendation of the Department of Physical Education.

Two one-hour periods per week.

330. Teaching III (fall, spring) **2 or 3 units**

This course provides an opportunity for students of exceptional ability to do advanced teaching which may include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

†388. Principles and Objectives of Scouting and Other Types of Boys' Work (fall) **2 units**

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

†389. Camp Fire Leaders' Training Course (spring) **1 unit**

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

Psychology

1. General Psychology (fall, spring) **3 units**

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

† Given if sufficient demand.

ENGLISH

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ENGLISH

LOWER DIVISION

	<i>Units</i>
English -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Philosophy -----	
Year course -----	6
Physical Education -----	
Activities (one-half unit each semester) -----	2
Psychology -----	
1 (General Psychology) -----	3
Social Sciences -----	14
History 4A-4B (History of Western Civilization) -----	6
Additional Social Science -----	8

UPPER DIVISION

English -----	24
(See tabulation of major requirements on next page.)	
Political Science -----	
151 (American National Government) -----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN ENGLISH

The requirements for this degree are the same as those for the liberal arts A.B. degree in English, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 40.

The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Recommended: Eng. 56A-56B.
Upper Division-----	Eng. 117-----3 units Eng. 151-----3 units Additional U. D. English-----18 units	12 units U. D. English. Recommended: Eng. 101-----3 units Eng. 115-----3 units Eng. 117-----3 units Eng. 130A-----3 units	6 units U. D. English. Recommended: Eng. 115-----3 units Eng. 130A-----3 units
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES**LOWER DIVISION****1A. English Composition (fall, spring) 3 units**

A course designed to meet student needs in reading, writing, and speech.

Three one-hour periods per week.

1B. English Composition and Literature (fall, spring) 3 units

Continuation of English 1A with an introduction to the study of literature.

Prerequisite: English 1A.

Three one-hour periods per week.

50. Directed Reading (fall, spring) 1 unit

A collaboration in literary appreciation. Weekly group meetings for the enjoyment of literature. Students' interests determine the reading selected and the discussions. Selections to be made from both the classics and contemporary literature.

One one-hour period per week.

56A. Survey of English Literature (fall) 3 units

The beginning of English literature and the main aspect of its development down to the Restoration (1660).

Prerequisite: English 1B.

Three one-hour periods per week.

56B. Survey of English Literature (spring) 3 units

The leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. News Writing (fall, spring) 3 units

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Prerequisite: English 1A or consent of the instructor.

Three one-hour periods per week.

- 61. News Reporting** (fall, spring) 1, 2, or 3 units
Prerequisite: English 60.
Three one-hour periods per week.

UPPER DIVISION

English 1A-1B is prerequisite to all upper division courses in English, except English 191. In certain cases an upper division student who is not taking a major or minor in English may, with the consent of the Department, elect some of the following courses without the foregoing requirement.

- 101. Advanced Composition** (fall) 3 units
Recommended for those taking the junior high school major in English.

Three one-hour periods per week.

- 105. Creative Writing** (fall, spring) 3 units
Three one-hour periods per week.

- 115. The English Language** (spring) 3 units

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

- *117. Shakespeare** (spring) 3 units
An intensive study of a few of Shakespeare's plays and a rapid reading of some others.

Three one-hour periods per week.

- *125C. The Novel** (fall) 3 units

Students read and study the novel, its origin, its development as a literary form in various countries. Two or three distinguished novels will be studied by the class. Others will be read and reported on by the students.

Three one-hour periods per week.

- 130A. American Literature** (fall) 3 units

A study of the important writers of the nineteenth century in the United States with a brief survey of the literature of the Colonial and Revolutionary periods and of the contemporary period. It seeks to discover distinctively American contributions to world literature.

Three one-hour periods per week.

- 140. Victorian Literature** (spring) 3 units

Study of Victorian trends in literature, with emphasis on their relation to contemporary life and literature.

Three one-hour periods per week.

* Not given 1941-42.

191. Children's Literature (fall)**2 units**

A survey and comprehensive study of the various phases of children's literature for grades one through eight. Designed to familiarize students with the content and types of literature suitable for use in different grades, to develop some personal appreciation of the material, and to give methods of applying it. (Not applicable to a major or minor in English.)

Prerequisite: Upper division status only.

Two one-hour periods per week.

The following courses will be offered over a period of two years if necessary, the needs of the students enrolling in upper division English to determine just which courses will be given.

151. Chaucer.**3 units**

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. English Literature from 1557 to 1660

3 units

157. English Literature from 1660 to 1780

3 units

158. English Literature from 1780 to 1832

3 units

159. English Literature from 1832 to 1900

3 units

DIVISION OF SPEECH AND DRAMATICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SPEECH AND DRAMATICS

LOWER DIVISION

Units

Speech -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences-----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
English -----	12
1A-1B (Composition and Literature)-----	6
56A-56B (Survey of English Literature)-----	6
Foreign language-----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of this requirement may be satisfied by upper division courses.)	
Philosophy	
6A-6B (Introduction to Philosophy)-----	6
Physical Education	
Activities (to include approved courses in dancing)-----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
Econ. 1A-1B (Principles of Economics)-----	6
Hist. 4A-4B (History of Western Civilization)-----	6
Geog. 2 (Cultural and Regional Geography)-----	2
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics, or History 4A-4B plus six units of upper division History.)	

UPPER DIVISION

Speech -----	18
(See tabulation of major requirements on next page.)	
English -----	6
(Consult Division of Speech concerning choice of courses.)	
Education -----	6
Political Science	
151 (American National Government)-----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SPEECH AND DRAMATICS

The requirements for this degree are the same as those for the liberal arts A.B. degree in Speech and Dramatics, with these additional requirements:

- (a) One of the minors must be completed in a subject field taught in high school.
- (b) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 40.

The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Speech 1A-1B__6 units 6 units chosen from: Speech 2A-2B__6 units Speech 10____3 units Speech 25__1 to 6 units	Speech 1A____3 units Speech 2A____3 units 6 units chosen from: Speech 1B____3 units Speech 2B____3 units Speech 10____3 units Speech 25__1 to 6 units	6 units of L. D. Speech
Upper Division-----	Speech 102____3 units Speech 120A____3 units Speech 155A- 155B____6 units Other courses by arrangement__6 units English _____6 units (To be chosen in con- sultation with Di- vision of Speech.)	Speech 102____3 units Speech 155A____3 units Other courses by arrangement__6 units	6 units of U. D. Speech
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Public Speaking (fall, spring) 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. Public Speaking (spring) 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice is provided in extemporaneous speaking and debate.

Three one-hour periods per week.

*2A-2B. Expression and Interpretation (year) 3-3 units

This basic course in voice training and in the art of oral expression teaches the fundamental laws of interpretation and the manifestation of these principles through natural expression.

Three one-hour periods per week.

* Not given in 1941-42.

10. Technique of Acting (fall) 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Three one-hour periods per week.

25A, B, C, D. Dramatic Workshop (fall, spring) 1 or 2 units

A laboratory course in acting and in the technical practices of the stage, including construction of sets, stage lighting, theatrical costume and make-up. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance.

Three two-hour periods per week.

Fee, \$0.75.

UPPER DIVISION**102. Phonetics and Speech Training (spring) 3 units**

Principles of phonetics; study of English pronunciation, based chiefly on contemporary American usage; practice in phonetic analysis; elementary principles of speech correction and improvement.

Three one-hour periods per week.

120A. Advanced Dramatics (fall, spring) 3 units

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Three one-hour periods per week.

125A, B, C, D. Advanced Dramatic Workshop (fall, spring) 1 or 2 units

A course of the same character as Speech 25 for advanced students. Prerequisite: Speech 1A-1B or consent of the instructor.

Three two-hour periods per week.

Fee, \$0.75.

155A. Play Production (fall) 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. Play Production (spring) 3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

HOME ECONOMICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN HOME ECONOMICS

LOWER DIVISION

Units

Home Economics	14
(See tabulation of major requirements on next page.)	
Art	5
1 (Art Structure)	2
2 (Design)	3
Biological and Physical Sciences	15
Bacteriology 1 (General Bacteriology)	4
Biology 10A (General Biology)	3
Chemistry 1A (General Chemistry)	5
Chemistry 108 (Organic Chemistry)	3
(Part of this requirement, in the lower division, may be satisfied in high school. See p. 40.)	
English	
1A-1B (Composition and Literature)	6
Physical Education	
Activities (one-half unit each semester)	2
Psychology	
1 (General Psychology)	3
Social Sciences	12
Economics 1A-1B (Principles of Economics)	6
History 4A-4B (History of Western Civilization)	6
Speech	
1A (Public Speaking)	3

UPPER DIVISION

Home Economics	24
(See tabulation of major requirements on next page.)	
Education	6
110 (Educational Psychology)	3
111 (Growth and Development of the Child)	3
Political Science	
151 (American National Government)	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41.

MAJOR AND MINOR REQUIREMENTS

*Liberal Arts Major
in Home Economics**Junior High School Major
in Allied Arts*

Lower Division	Home Econ. 1A-1B-----	6 units	12 units of L. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 56
	Home Econ. 3-----	2 units	
	Home Econ. 10A-10B-----	6 units	
	Recommended electives:		
	Home Econ. 11-----	2 units	
Upper Division	Home Econ. 20-----	2 units	12 or more units of U. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 56
	Home Econ. 120-----	3 units	
	Home Econ. 140-----	3 units	
	Home Econ. 150-----	2 units	
	Home Econ. 160-----	2 units	
	14 units chosen from—		
	Home Econ. 101-----	3 units	
	Home Econ. 122-----	2 units	
	Home Econ. 130-----	3 units	
	Home Econ. 133-----	2 units	
	Home Econ. 144-----	3 units	
	Home Econ. 145-----	1 unit	
	Home Econ. 184-----	3 units	
Total units required		38 units	Minimum of 24 units

*Junior High School Major
in Home Economics**Home Economics Minor*

Lower Division	Elect Group A or Group B.		Elect Group A or Group B.	
	Group A		Group A	
	Home Econ. 1A-1B-----	6 units	Home Econ. 1A-----	3 units
	Home Econ. 10A-10B-----	6 units	Home Econ. 11-----	2 units
			Home Econ. 20-----	2 units
	Group B		Group B	
	Home Econ. 1A-1B-----	6 units	Home Econ. 1A-----	3 units
	Home Econ. 3-----	3 units	Home Econ. 3-----	2 or 3 units
	Home Econ. 11-----	2 units	Home Econ. 11-----	2 units
	Home Econ. 20-----	2 units		
Upper Division	12 units chosen from—		6 units chosen from—	
	Home Econ. 101-----	3 units	Home Econ. 101-----	3 units
	Home Econ. 120-----	3 units	Home Econ. 122-----	2 units
	Home Econ. 122-----	2 units	Home Econ. 130-----	3 units
	Home Econ. 130-----	3 units	Home Econ. 190-----	2 units
	Home Econ. 140-----	3 units		
	Home Econ. 150-----	2 units		
	Home Econ. 190-----	2 units		
Total units required		24-25 units		13-14 units

DESCRIPTION OF COURSES**LOWER DIVISION****1A-1B. Clothing Construction (year) 3-3 units**

First semester: Laboratory work directed towards the development of good technique in clothing construction processes; use of sewing machines and hand stitches; selection and alteration of commercial patterns; correct fitting methods; use of cotton, linen, and rayon fabrics in making garments.

Second semester: Continuation of the work of the first semester. Development of more difficult technique in construction, alteration, and designing of garments. Emphasis on use of silk and woolen fabrics and on original design.

One one-hour lecture and two three-hour laboratory periods per week.

Fee for Home Economics 1B, \$.50.

Both Home Economics 1A and 1B are given each semester.

3. Clothing Design and Textiles (spring) 2 or 3 units

A study of clothing as an expression of personality and good taste in dress, with a study of the elements of design and color as related to the selection of clothing. Individual color types and figure problems considered. Emphasis on clothing budgets and buying problems.

Two or three one-hour periods per week.

Fee, \$.50 per unit.

5. Textile Handcraft (fall, spring) 3 units

Weaving and handloom operations; types of needlecraft and handwork; special studies in handwork hobbies.

Three one-hour periods per week.

10A-10B. Food Study (spring-fall) 3-3 units

First semester: A scientific study of the composition and preparation of foods; food experiments; analysis of recipes and cookery processes and their application to meal preparation.

Second semester: Continuation of the work of the first semester. Emphasis on the planning, marketing, preparing, and serving of meals.

Prerequisite: Chemistry 1A or Chemistry 2 (consult with instructor).

One one-hour lecture and two three-hour laboratory periods per week.

Fee, \$3.50 each semester.

11. Hostess Training (fall) 2 units

The planning, preparation, and serving of meals for various occasions; types of meal service and etiquette involved. Open to all students.

One one-hour lecture and one three-hour laboratory period per week.

Fee, \$3.00.

20. Elementary Nutrition and Foods (spring) 2 units

Designed especially for pre-Nursing majors and Home Economics minors. A study of elementary nutrition, with practice in food preparation and menu planning.

Two one-hour lecture and one two-hour laboratory periods per week.

Fee, \$1.00.

43. Architectural Drafting and Home Planning (spring)**2 or 3 units**

See Industrial Education 13.

45. Flower Arrangement (spring)**1 unit**

See Art 20.

UPPER DIVISION**101. Advanced Clothing and Design (fall, spring)****3 units**

Designed especially for minors in Home Economics. Lectures on and laboratory practice in clothing construction and design, with emphasis on originality and adaptation to the different types of figures. Use of woolen and silk materials.

Prerequisites: Home Economics 1A and 3.

One one-hour lecture and two three-hour laboratory periods per week.

Fee, \$.50.

102. Applied Design (spring)**3 units**

See Art 102. Emphasis is on the design of the ornamentation of clothing.

120. Nutrition and Dietetics (fall)*3 units**

The fundamentals of human nutrition and the nutritive properties of foods, with application to the feeding of individuals and special groups; dietaries on limited incomes.

Prerequisite: Home Economics 10A-10B.

Two one-hour lecture and two two-hour laboratory periods per week.

Fee, \$.30.

122. Nutrition Work With Children (fall)*2 units**

The nutritional needs of children of school age; methods of judging good and poor nutrition in children; causes and prevention of malnutrition; formation of desirable food habits; problems of the school lunch-room. Open to all teaching credential candidates.

Two one-hour periods per week.

Fee, \$.50.

130. Household Administration*3 units**

A study of household equipment, both large and small; its placing and care. Management factors in household tasks with respect to the time element. Health of the family and home care of the sick.

Prerequisite: Consent of the instructor.

Three one-hour periods per week.

133. Family Economics (spring)**2 units**

A study of the economics of family life, with emphasis on management of personal and family finances; problems of budgeting and purchase of household equipment; the legal problems involved in home ownership and management.

Prerequisite: Consent of the instructor.

Two one-hour periods per week.

* Not given 1941-42.

- *140. Home Decoration and Furnishing (fall) 3 units**
 The principles of art as applied to home furnishing problems. Objective is to develop intelligent judgment in selection of furnishings from the standpoint of art, economy, and comfort.
 Prerequisite: Art 1.
 Three one-hour periods per week.
- *144. Ornamental Plants (spring) 3 units**
 See Botany 114.
- 145. Flower Arrangement (spring) 1 unit**
 See Art 20 or 120.
- 150. Child Care and Training (spring) 2 units**
 The development of the child from the prenatal period and birth through the pre-school age. Observation of children.
 Prerequisite: Education 111 (may be taken concurrently).
 Two one-hour periods per week.
- 160. Social Problems of the Family (fall) 2 units**
 A study of the family as an institution and the social conditions affecting American family life.
 Prerequisite: Consent of the instructor.
 Two one-hour periods per week.
- 184. Marketing (spring) 3 units**
 See Commerce 134.
- *190. Homemaking Problems in the Elementary School (spring) 2 units**
 This course is designed to acquaint the elementary teacher minoring in Home Economics with homemaking procedures that can be adapted for use in the elementary grades in correlation with a given unit of work.
 Two one-hour periods per week.
 Fee, \$.50.

* Not given 1941-42.

INDUSTRIAL EDUCATION

MAJOR AND MINOR REQUIREMENTS

	<i>Junior High School Major in Industrial Education</i>	<i>Junior High School Major in Allied Arts</i>
Lower Division	Ind. Educ. 7A----- 2 units Ind. Educ. 51*----- 3 units Additional L. D.----- Ind. Educ.----- 7 units	12 units of L. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 56.
Upper Division	Ind. Educ. 101----- 3 units Ind. Educ. 130----- 2 units Additional U. D.----- Ind. Educ.----- 7 units	12 units or more of U. D. Art, Home Economics, and Industrial Education. See tabulation under Department of Art, p. 56.
Total units required	24 units	Minimum of 24 units

Minors in Industrial Education

	<i>General Elementary</i>	<i>Junior High School and Pre-Secondary</i>
Lower Division	Ind. Educ. 15 or 51*----- 3 units 3 or more units chosen from— Ind. Educ. 5----- 2 or 3 units Ind. Educ. 6----- 2 units Ind. Educ. 7A----- 2 units Ind. Educ. 12----- 3 units Ind. Educ. 51----- 3 units Art 6----- 2 or 3 units	Ind. Educ. 7A----- 2 units Ind. Educ. 51*----- 3 units 4 or more units chosen from— Ind. Educ. 5----- 2 or 3 units Ind. Educ. 12----- 3 units Ind. Educ. 13----- 2 or 3 units Ind. Educ. 15----- 3 units Art 6----- 2 or 3 units
Upper Division	Ind. Educ. 191----- 2 units 4 or more units chosen from— Ind. Educ. 101----- 2 or 3 units Ind. Educ. 105----- 2 units Ind. Educ. 112----- 2 or 3 units Ind. Educ. 123----- 3 units Ind. Educ. 124----- 2 or 3 units Ind. Educ. 130----- 2 units	Ind. Educ. 130----- 2 units Ind. Educ. 191----- 2 units 5 or more units chosen from— Ind. Educ. 101----- 2 or 3 units Ind. Educ. 103----- 2 or 3 units Ind. Educ. 105----- 2 units Ind. Educ. 112----- 2 or 3 units Ind. Educ. 125----- 3 units
Total units required	12 units	18 units

* Industrial Education 51 will be waived as a subject requirement for students who have had two years of high school manual training.

DESCRIPTION OF COURSES

LOWER DIVISION

- 5. Pottery (fall) 2 or 3 units**
 A course in an interesting and age-old industry. Designing, casting, throwing, modeling, glazing, and firing.
 Two or three three-hour periods per week.
 Fee, \$1.00 per unit.
- 6. Cement and Concrete Work (spring) 2 units**
 Theory and practical application of concrete work, including ornamental cement.
 Two three-hour periods per week.
- 7A. Mechanical Drawing (fall, spring) 2 units**
 A fundamental course in mechanical drawing which covers orthographic, isometric, and cabinet projections, intersection of solids, sections, screws and threads, cams, blue prints, etc.
 Three two-hour periods per week.

7B. Advanced Mechanical Drawing (fall) 2 units

An advanced course in mechanical drawing intended primarily for students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Prerequisite: Industrial Education 7A or its equivalent in high school.

Three two-hour periods per week.

12. Metal Arts (spring) 3 units

The application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

Fee, \$.50.

13. Architectural Drafting (spring) 2 or 3 units

A beginning course in the fundamentals of house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in mechanical drawing either in high school or college is advisable as background.

Two or three three-hour periods per week.

15. Rural School Handwork and Toycraft (fall, spring) 3 units

A course in the use of native materials and waste products applicable to the elementary grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the kinds of work done. Required of all women candidates for a credential.

Three one-hour class periods and six hours of outside work per week.

51. Fundamentals of Industrial Education (fall, spring) 3 units

The fundamentals of industrial education in terms of teaching industrial arts in the elementary grades. Covers methods, courses of study, construction of objects of the elementary grades level, and care and use of equipment. Required of all men candidates for a teaching credential.

Three three-hour periods per week.

Fee, \$.50.

UPPER DIVISION**101. Advanced Woodworking (spring) 2 or 3 units**

Building of boats, airplane gliders, and large pieces of similar nature.

Prerequisite: Industrial Education 51 or its equivalent.

Two or three three-hour periods per week.

Fee, \$.50.

103. The Art of House Design (fall) 2 or 3 units

A thorough-going study of home planning and building in which an entire house is planned in structure and furnishings.

Prerequisite: Industrial Education 13.

Two or three three-hour periods per week.

105. Advanced Pottery (spring) 2 units

Study of the problems involved in pottery making, from the standpoint of both teaching and business. Designing, decorating, throwing, packing, firing of the kiln are a few of the subjects studied.

Prerequisite: Industrial Education 5.

Two three-hour periods per week.

Fee \$2.00.

112. Advanced Metal Arts (spring) 2 or 3 units

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, and other metals.

Prerequisite: Industrial Education 12.

Two or three three-hour periods per week.

Fee, \$.50.

†113. Machine Shop Practice 2 units

The use and operation of the common machines, with practical application to everyday life.

Prerequisite: Upper division status or consent of the instructor.

Two three-hour periods per week.

123. Pattern Making and the Theory of Foundry Practice (fall) 3 units

A study in the basic principles of foundry practice and pattern-making. The construction of simple patterns, and casting in softer metals.

Prerequisite: Industrial Education 51 or its equivalent.

Three three-hour periods per week.

124. Advanced Cabinet and Other Wood Construction (fall) 2 or 3 units

Advanced course in woodwork designed for students interested in teaching or in problems of advanced construction.

Prerequisite: Industrial Education 101.

Two or three three-hour periods per week.

125. Carpentry (spring) 3 units

A study of house construction in which houses in miniature are built to illustrate construction problems. Recommended as a suitable course to follow Industrial Education 103.

Prerequisite: Industrial Education 51 or its equivalent.

Three three-hour periods per week.

130. Industrial Arts Design (spring) 2 units

Theory and practice in the designing of objects in the industrial arts and their decoration.

Prerequisite: Industrial Education 7A.

Two one-hour lecture and two two-hour laboratory periods per week.

***191. Management of School Shops (spring) 2 units**

A course in the objectives, methods, and content of shop programs for the grade schools. Intended for students majoring in Industrial Education.

Prerequisite: Industrial Education 51 and upper division status.

Two one-hour periods per week.

† Given if sufficient demand.

* Not given 1941-42.

MATHEMATICS AND PHILOSOPHY

MINOR REQUIREMENTS

<i>Minor in Mathematics</i>	
Lower Division	Prerequisites (may be satisfied in high school) Elementary Algebra Intermediate Algebra Plane Geometry Plane Trigonometry Mathematics 3A-3B ----- 6 units
Upper Division	Mathematics 104A-104B ----- 6 units
Total units required	In addition to prerequisites: 12 units

DESCRIPTION OF COURSES

Mathematics

LOWER DIVISION

C. Trigonometry (fall) 3 units

Plane trigonometry and spherical right triangles.

Prerequisite: Plane geometry and one and one-half years of high school algebra or Mathematics 1.

Three one-hour periods per week.

E. Solid Geometry (spring) 2 units

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

1. Intermediate Algebra (fall) 3 units

Quadratic equations; exponents and radicals; practice in the use of logarithms; theory of equations; elementary determinants; progressions; and the binominal theorem.

Prerequisite: One year of high school algebra or general mathematics.

Three one-hour periods per week.

*2. Mathematics of Finance (spring) 3 units

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance.

Prerequisite: Two years of high school algebra or Mathematics 1.

Three one-hour periods per week.

3A-3B. Plane Analytic Geometry and Calculus (year) 3-3 units

First semester: Cartesian and polar equations of the straight line; conic sections; and general equations of the second degree.

Second semester: Plane analytics continued. Differential calculus and an introduction to integral calculus.

Prerequisite: High school algebra, plane geometry, and trigonometry.

Three one-hour periods per week.

* Not given 1941-42.

8. College Algebra (spring) 3 units

Theory of equations; determinants; equations of third and fourth degrees.

Prerequisite: Mathematics 3A.

Three one-hour periods per week.

20. Mathematics of the Elementary School (fall, spring) 2 units

Operations and principles essential to the manipulation of fractions, equations, and formulae, with application to design, graphics, statistics, investment, and engineering.

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

21. Introduction to Business Mathematics (spring) 3 units

Principles of business mathematics; simple and compound interest; simple, successive, and bank discount; profit; loss; tax rates; annuities; graphs with practical applications.

Three one-hour periods per week.

40. Elementary Statistical Methods (spring) 3 units

Theory and uses of statistical methods. Practice in tabular and graphical representation of data. Measures of central tendency, relationships, and dispersion. Coefficients, index numbers, time series, and other forms of statistical calculations based on practical relevant data. Use of calculating machines encouraged.

It is recommended that students taking this course consult the instructor concerning the adequacy of their mathematical background.

Three one-hour periods per week.

UPPER DIVISION

104A-104B. Integral Calculus and Solid Analytics (year) 3-3 units

First semester: Continues the development and application of the calculus. Infinite series, partial derivatives.

Second Semester: Quadratic surfaces and multiple integration.

Prerequisite: Mathematics 3A-3B.

Three one-hour periods per week.

Civil Engineering

1A-1B. Plane Surveying (year) 3-3 units

Principles, field practice, calculations, and mapping.

Prerequisite: Plane trigonometry and Industrial Education 7A or its equivalent.

Two one-hour lecture and one three-hour laboratory periods per week.

†2. Descriptive Geometry 3 units

The principles of descriptive geometry and their application to engineering problems. Required for engineering and based on the course given at the University of California.

Prerequisite: Industrial Education 7A or its equivalent.

Three one-hour lecture and three two-hour drafting periods per week.

† Given if sufficient demand.

Philosophy**6A-6B. Introduction to Philosophy (year)****3-3 units**

First semester: An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources, including the philosopher-poets and contemporary writers.

Second semester: A special consideration of the basic problems of philosophy, including historical references to solutions presented in the past.

Three one-hour periods per week.

MODERN LANGUAGES

MINOR REQUIREMENTS

<i>Minor in French</i>	
Lower Division	Prerequisites: French A-B or two years of high school French French C ----- 3 units French D ----- 3 units
Upper Division	French 105A-105B ----- 6 units
Total units required	In addition to prerequisites: 12 units

DESCRIPTION OF COURSES

French

LOWER DIVISION

- A. Elementary French (fall) 3 units**
 Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
 Three one-hour periods per week.
- B. Elementary French (spring) 3 units**
 Continuation of French A.
 Prerequisite: French A or one year of high school French.
 Three one-hour periods per week.
- C. Intermediate French (fall) 3 units**
 Reading course.
 Prerequisite: French B or two years of high school French.
 Three one-hour periods per week.
- D. Intermediate French (spring) 3 units**
 Continuation of French C.
 Prerequisite: French C or three years of high school French.
 Three one-hour periods per week.
- 5A-5B. Advanced French (year) 3-3 units**
 Reading course.
 Prerequisite: French D or four years of high school French.
 Three one-hour periods per week.
- †6A-6B. French Grammar Review (year) 1-1 unit**
 Grammar and composition.
 Prerequisite: French B or two years of high school French.
 One one-hour period per week.

† Given if sufficient demand.

†7A-7B. French Conversation (year) 1-1 unit

Conversation, oral reports, songs, plays.

Prerequisite: French B or two years of high school French.

One one-hour period per week.

UPPER DIVISION**105A-105B. French Literature (year) 3-3 units**

A survey of French literature from the 13th century to the present time. Extensive reading of works of representative authors of all periods.

Prerequisite: French D or four years of high school French.

Three one-hour periods per week.

Spanish**A. Elementary Spanish (fall) 3 units**

Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Three one-hour periods per week.

B. Elementary Spanish (spring) 3 units

Continuation of Spanish A.

Prerequisite: Spanish A or one year of high school Spanish.

Three one-hour periods per week.

†C. Intermediate Spanish (fall) 3 units

Reading course.

Prerequisite: Spanish B or two years of high school Spanish.

Three one-hour periods per week.

† Given if sufficient demand.

MUSIC

MAJOR AND MINOR REQUIREMENTS

Junior High School Major

Lower Division	Music 1	2 units
	Music 3A-3B	6 units
	Music 4A-4B	6 units
	*Music 51, 52, 53	4 units
Upper Division	Music 104A-104B	6 units
	Music 109	2 units
	Music 190	2 units
	Music 192	3 units

Music majors must play in the orchestra (Music 10, 110) or band (Music 11) and sing in the College Chorus (Music 5, 105) or A Cappella Choir (Music 7, 107) each semester of the four years. In no case, however, may more than 8 units of these musical activities apply towards the major.

Depending upon their previous musical training music majors may be required to take additional work in Music 8 and Music 15 and private lessons, the amount to be determined in consultation with the department.

Total units required (min.)	39 units
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Choral Minor

Instrumental Minor

Lower Division	Piano Test		Piano Test	
	Music 1	3 units	Music 1	3 units
	Music 2	2 units	Music 3A or 3B	3 units
	Music 3A or 3B	3 units	Music 10A, B or	
	Music 5A, B (W.)	1 unit	Applied Piano	1 unit
	Music 6A, B (M.) or Music 7		Music 51, 52, or 53 (two courses)	4 units*
Upper Division	Music 105A, B (W.)	1 unit	Music 110A, B	1 unit
	Music 106A, B (M.) or Music 107		Music 109	2 units
	Music 109	2 units	Music 192	3 units
	Music 192	3 units		
Total units required		15 units	17 units	

* To be taken in two orchestral sections in which student has not had training.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Musicianship (fall, spring)

3 units

Elementary work in ear training, sight singing, and piano keyboard; designed to give the fundamentals of music in a direct and concise manner.

Required for all students working toward a teaching credential. Music majors not eligible.

Three one-hour periods per week.

- 2. Ear Training and Sight Singing** (fall, spring) **2 units**
 Designed to give a thorough foundation in pitch, rhythm, and harmony in the major and minor modes. These elements are presented through musical-tonal and rhythmical dictation, sight singing, and melodic writing. It emphasizes the chordal basis of melodies in both classic and modern harmonies.
Prerequisite: Music 1.
 Three one-hour periods per week.
- 3A. Music History and Appreciation** (fall) **3 units**
 History of instrumental music composers and the development of instrumental music forms. It comprises a study from the beginning of the fantasia, the fugue, the sonata, the symphonic poem, and the symphony.
 Three one-hour periods per week.
- 3B. Music History and Appreciation** (spring) **3 units**
 History of vocal music composers and the development of vocal music forms. It comprises a study of the opera, the oratorio, and the art song.
 Emphasis is placed upon hearing representative music of each type.
 Three one-hour periods per week.
- 4A-4B. Beginning Harmony** (year) **3-3 units**
 A study of the structure of music. Keyboard harmony; analysis of musical composition for form and content; harmonization of given melodies and original compositions for voices, piano, and other instruments.
 Prospective students should have some ability in playing the piano.
 Three one-hour periods per week.
- 8. Beginning Vocal Technique** (fall, spring) **$\frac{1}{2}$ unit**
 Designed to help students, especially prospective teachers, improve the tone quality and musicianship of their singing.
 One one-hour period per week.
- 15. Introductory Music Reading—Piano** (fall, spring) **1 unit**
 This course includes work for those who wish to learn to play simple songs and rhythmic compositions. It is also open to students wishing to continue piano work.
 One one-hour period per week.
- 51. String Instruments** (fall) **2 units**
 Violin, viola, 'cello, string bass. Study and practice of one or more of the stringed instruments supplemented by a study of arranging for stringed instruments, teaching methods, and the elementary physics of sound.
 One two-hour period per week.
- 52. Brass Instruments** (spring) **2 units**
 Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.
 One two-hour period per week.

53. Woodwind Instruments (fall) 2 units

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

One two-hour period per week.

UPPER DIVISION

104A-104B. Advanced Harmony (year) 3-3 units

A continuation of Music 4A-4B.

Prerequisite: Music 4A-4B.

Three one-hour periods per week.

109. Conducting (spring) 2 units

Interpretation and baton technique as applied to choral and instrumental ensembles.

Prerequisite: Music 1.

Two one-hour periods per week.

190. Practicum in Music (fall, spring) 2 units

Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences. (Not applicable to a minor in Music.)

Prerequisite: Music 1 and Music 5A or 7A-7B.

Two one-hour class and two one-hour observation periods per week.

192. Music Literature and Methods (fall) 3 units

An intensive study of musical literature. Provides a procedure for using such materials in the varying grade levels from the first grade to the junior high school, with emphasis upon the needs in the junior high school level.

Prerequisite: Music 1.

Three one-hour periods per week.

Musical Organizations

5A, B, C, D; 105 A, B, C, D. College Chorus (fall, spring) $\frac{1}{2}$ unit

A musical organization open to any member of the student body without try-outs. It affords opportunity to become acquainted with some of the best music of the past and present. The chorus appears in several public performances during the year.

Prerequisite for Music 105; Music 5A, B.

Two one-hour periods per week.

Fee, \$.75 each semester.

7A-7B, 7C-7D; 107A-107B, 107C-107D. A Cappella Choir (year) **1-1 or 2-2 units**

A selected group of singers who sing a cappella literature ranging from the sixteenth century to the present. Principles of style and interpretation, voice production, and other attributes of musicianly singing are dwelt upon to a much greater extent than is possible in the College Chorus. The choir gives many concerts and usually goes on tour in the spring of each year.

No credit is given for the first semester (fall) unless the student enrolls in and completes the course for the second semester (spring).

Prerequisite for Music 107: Music 7A-7B.

Two two-hour periods per week.

Fee, \$.75 each semester.

10A, B, C, D; 110A, B, C, D. Orchestra (fall, spring) **$\frac{1}{2}$ unit**

Affords qualified students an opportunity for study of good orchestral composition and for learning to play with interpretation, finish and precision. Outside practice is necessary.

Prerequisite to Music 110: Music 10A-10B.

One two-hour period per week.

Fee, \$.75 each semester.

11A, B, C, D. Band (fall) **$\frac{1}{2}$ unit**

Marching technique and study of music suitable for assemblies and popular occasions. The band plays for the athletic contests and rallies of the fall semester.

Two one-hour periods per week.

Fee, \$.50 each semester.

Private Lessons

One unit of credit will be given for one half-hour lesson per week and the necessary practice for the lesson.

Piano: Miss Jackson, \$5.00 per month.

String Instruments: Miss Dale, \$1.25 per lesson (half-hour).

Voice: Mr. Jeffers, \$1.50 per lesson (half-hour).

Band and Orchestra Instruments: Miss Dale.

ORIENTATION

See Admission to the College, p. 26.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational, physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Every student enrolled in the College must take a half unit of physical education activities during each semester of the freshman and sophomore years in the College. Persons twenty-one years of age or older may be exempted from this requirement with consent of the Department.

MAJOR AND MINOR REQUIREMENTS

	<i>Major for Special P.E. Credential (Men Only)</i>	<i>Junior High School Major (Men Only)</i>	<i>Minor</i>
Lower Division-----	P.E. 2 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit P.E. 26A or 31 $\frac{1}{2}$ unit Activity Course ---- $\frac{1}{2}$ unit	P.E. 2 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit Activity Courses ---- $1\frac{1}{2}$ units	P.E. 2 -----2 units Activity Courses ---- $1\frac{1}{2}$ units Men P.E. 9A -----1 unit P.E. 10A -----1 unit Women P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit
Upper Division-----	P.E. 151 -----2 units P.E. 152 -----2 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B ---4 units P.E. 198 -----2 units P.E. 199 -----2 units Ed. 322 -----2 units Ed. 323 ---2 to 4 units Activity Courses ---- $1\frac{1}{2}$ units	P.E. 151 -----2 units P.E. 152 -----2 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B ---4 units P.E. 199 -----2 units Activity Courses ---- $1\frac{1}{2}$ units Electives in P.E. (may be Lower Division) -- $1\frac{1}{2}$ units	P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 199 -----2 units Men P.E. 192A-B ---4 units Women P.E. 193A-B ---4 units
Total units required-----	28-30 units	$24\frac{1}{2}$ units	Men ----- $14\frac{1}{2}$ units Women ----- 14 units

DESCRIPTION OF COURSES

Courses for Men

LOWER DIVISION

- 5. Freshman Physical Activities (fall)** ½ unit
 Fundamentals of team and individual sports, together with some achievement tests.
 Required of all freshmen and limited to freshmen.
 Two one-hour periods per week.
- 6A, B. Fall Sports (fall)** ½ unit
 Touch football, volleyball, and handball.
 Two one-hour periods per week.
- 7A, B, C. Spring Sports (spring)** ½ unit
 Basketball, track, and softball.
 Two one-hour periods per week.
- 8A, B. Individual Sports (fall, spring)** ½ unit
 Boxing, fencing, tumbling, wrestling (choice of one or more).
 Two one-hour periods per week.
- 9A, B, C, D. Intercollegiate Football (fall)** 1 unit
 Daily afternoon practice.
- 10A, B, C, D. Intercollegiate Basketball (spring)** 1 unit
 Daily afternoon practice.
- 11A, B, C, D. Baseball (spring)** ½ unit
 Intercollegiate competition when it can be arranged; games with local teams.
 Daily afternoon practice.
- 12A, B, C, D. Track (spring)** ½ unit
 Intercollegiate competition when it can be arranged; meets with local organizations.
 Daily afternoon practice.

UPPER DIVISION

- 192A. Theory of Athletics (fall)** 2 units
 Football, soccer, speedball, and basketball.
 Prerequisite: Upper division status only.
 Two one-hour periods per week.
- 192B. Theory of Athletics (spring)** 2 units
 Baseball, track and field, and tennis.
 Prerequisite: Upper division status only.
 Two one-hour periods per week.

Courses for Women**LOWER DIVISION****15. Freshman Physical Activities (fall) 1/2 unit**

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

Required of all freshmen women and limited to freshmen.

Two one-hour periods per week.

16A, B, C. Fall Sports (fall) 1/2 unit

Field hockey and volleyball.

Two one-hour periods per week.

17A, B, C, D. Spring Sports (spring) 1/2 unit

Basketball and softball.

Two one-hour periods per week.

18A. Beginning Dance (spring) 1/2 unit

Two one-hour periods per week.

18B. Advanced Dance (fall) 1/2 unit

Two one-hour periods per week.

UPPER DIVISION**193A. Theory of Athletics (fall) 2 units**

Field hockey, soccer, speedball, volleyball, handball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

193B. Theory of Athletics (spring) 2 units

Basketball, baseball, tennis, archery.

Prerequisite: Upper division status only.

Two one-hour periods per week.

Courses for Men and Women**LOWER DIVISION****2. Hygiene (fall, spring) 2 units**

An informal course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

25A, B, C, D. Restricted Activities (fall, spring) 1/2 unit

Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.

Two one-hour periods per week.

- 26A. Elementary Clog and Tap Dancing** (fall) ½ unit
Two one-hour periods per week.
- 26B. Intermediate Clog and Tap Dancing** (spring) ½ unit
Two one-hour periods per week.
- 26C. Tap Club** (fall) ½ unit
Advanced technique; original numbers required of students; participation in school programs.
Two one-hour periods per week.
- 27A. Elementary Tennis** (fall, spring) ½ unit
Two one-hour periods per week.
- 27B. Intermediate Tennis** (fall, spring) ½ unit
Two one-hour periods per week.
- 27C. Advanced Tennis** (fall, spring) ½ unit
Two one-hour periods per week.
- 28A. Elementary Archery** (fall, spring) ½ unit
Two one-hour periods per week.
- 28B. Advanced Archery** (fall, spring) ½ unit
Two one-hour periods per week.
- 29A. Beginning Individual Games** (fall, spring) ½ unit
Badminton, deck tennis, paddle tennis, table tennis.
Two one-hour periods per week.
- 29B. Badminton** (fall, spring) ½ unit
Two one-hour periods per week.
- 30A. Beginning Golf** (fall, spring) ½ unit
One two-hour period per week.
- 30B. Advanced Golf** (fall, spring) ½ unit
One two-hour period per week.
- 31. Ballroom Dancing** (spring) ½ unit
Basic dance techniques; fox trot, waltz, tango, and current routines.
Dance etiquette.
Two one-hour periods per week.
- 33. Folk Dancing** (fall, spring) ½ unit
Two one-hour periods per week.

UPPER DIVISION

Upper division status is the only prerequisite to the upper division Physical Education courses.

151. Applied Kinesiology (fall) 2 units

Study of the anatomy of muscles, bones, joints and of the nervous system as a basis for understanding bodily movement in exercise and sports.

Two one-hour periods per week.

152. Methods in Corrective Physical Education (spring) 2 units

The principles underlying good body mechanics; the causes, correction, and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program; equipment facilities and procedure; fundamentals and practice of massage. Much of the work is practical.

Prerequisite: Physical Education 151.

Two one-hour periods per week.

***175. History and Principles of Physical Education (fall) 3 units**

The evaluating of the history of physical education, the weighing of current problems in the field, the setting up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. Principles of Community Recreation (spring) 2 units

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

190B. Methods in Singing Games and Folk Dances (fall, spring) 1 unit

Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

Two one-hour periods per week.

†190C. Advanced Folk Dancing (spring) 1 unit

Recreational folk dancing.

Prerequisite: Physical Education 190B.

Two one-hour periods per week.

198. Conference on Secondary School Physical Education (fall, spring) 2 units**199. Practicum in Physical Education (fall, spring) 2 units**

The organization of the physical education program in grades one through eight.

One class, two activity, and one observation hours per week.

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

* Not given 1941-42.

† Given if sufficient demand.

SOCIAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ECONOMICS AND BUSINESS

LOWER DIVISION

	<i>Units</i>
Commerce and Economics-----	18
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences-----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
English	
1A-1B (Composition and Literature)-----	6
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology)-----	3
Social Sciences (in addition to Economics)-----	6-8
History 4A-4B (History of Western Civilization)-----	6
Recommended elective: Geography 2 (Cult. and Reg.)-----	2

UPPER DIVISION

Commerce and Economics-----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American National Government)-----	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SOCIAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Social Sciences -----	14-15
(See tabulation of major requirements on next page.)	
Elective -----	2 or 3
Biological and Physical Sciences-----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
English	
1A-1B (Composition and Literature)-----	6
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology) -----	3

UPPER DIVISION

Social Sciences	Units 24
(See tabulation of major requirements below.)	
Political Science	
151 (American National Government)	2
Electives—enough to bring total of units up to 124.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN
SOCIAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Social Sciences, with these additional requirements:

- (a) Foreign Languages 15 units
(In not more than two languages. Each year of high school foreign language may be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)
 - (b) Education (upper division) 6 units
 - (c) One of the minors must be completed in a subject field taught in high school.
 - (d) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See p. 40.
- The total number of units required remains the same, i.e., 124.

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Pre-Secondary Major in Social Sciences</i>		<i>Liberal Arts Major in Economics and Business</i>	
Lower Division--	Economics 1A-1B..... 6 units	Commerce	
	History 4A-4B..... 6 units	Com. 14A-14B..... 6 units	
		Com. 40..... 3 units	
		Economics	
		Econ. 1A-1B..... 6 units	
		Econ. 40..... 3 units	
Upper Division--	U.D. Economics..... 9 units	Commerce	
	U.D. History..... 9 units	Com. 130..... 3 units	
	Additional U.D. Social Science 6 units	Com. 134..... 3 units	
		Economics	
		Econ. 113..... 3 units	
		Econ. 120..... 3 units	
		Econ. 134..... 3 units	
		Econ. 135..... 3 units	
		Econ. 150 or 151..... 3 units	
		Econ. 195..... 3 units	
Total units required.....	36 units	42 units	

<i>Junior High School Majors</i>			
<i>Economics</i>	<i>History</i>	<i>Social Science</i>	
Lower Division-----	Economics 1A-1B -----	6 units	
	History 4A-4B -----	6 units	
Upper Division-----	U. D. Econ.---12 units	U. D. Hist.---12 units	U. D. Econ.---6 units
			U. D. Hist.---6 units
Total units required---	24 units	24 units	24 units

<i>Minors</i>			
<i>Economics</i>	<i>History</i>	<i>Social Science</i>	
Lower Division-----	Econ. 1A-1B---6 units	Hist. 4A-4B---6 units	Econ. 1A-1B---6 units
			Hist. 4A-4B---6 units
Upper Division-----	U. D. Econ.---6 units	U. D. Hist.---6 units	U. D. Econ.---3 units
			U. D. Hist.---3 units
Total units required---	12 units	12 units	18 units

DESCRIPTION OF COURSES

Economics

LOWER DIVISION

1A-1B. Principles of Economics (year) 3-3 units

First semester: The evolution of modern capitalistic industry; business organization and control; money; banking; and international trade.

Second semester: The economic laws of value, price, and of the distribution of wealth and income; problems of government finance, labor, and economic reform.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

See Commerce 14A-14B.

40. Elementary Statistical Methods (spring) 3 units

See Mathematics 40.

UPPER DIVISION

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor.

***113. Economic and Social History of the United States (spring) 3 units**

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

***120. Business Organization (spring) 3 units**

The practical problems of organization, control, and management of private enterprise; and the relation of the government to business.

Three one-hour periods per week.

* Not given 1941-42.

123. Marketing (spring) **3 units**
See Commerce 134.

***134. Business Finance (spring)** **3 units**
Instruments and methods of financing private business. Special emphasis upon corporation finance and investment.
Three one-hour periods per week.

***135. Principles of Money and Banking (fall)** **3 units**
The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.
Three one-hour periods per week.

150. Labor Economics (fall) **3 units**
A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.
Three one-hour periods per week.

151. Social Security in the United States (spring) **3 units**
The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.
Three one-hour periods per week.

195. Principles of International Commerce (spring) **3 units**
The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; international debts; government control and direction of international trade.
Three one-hour periods per week.

Geography

1. Introduction to Geography (fall) **3 units**
The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.
Three one-hour periods per week.

2. Cultural and Regional Geography (fall, spring) **2 or 3 units**
A brief study of the physical environment as the home of man in terms of climatic regions, followed by a more intensive study of the economic activities and the culture pattern of these regions.

Two one-hour periods per week for 2 units. An additional unit of credit may be obtained by doing outside independent study assigned by the instructor.

* Not given 1941-42.

History**4A-4B. History of Western Civilization (year) 3-3 units**

A rapid survey of the political, economic, social, religious, and cultural development of Europe from ancient times to the present.

First semester: From ancient times to 1660.

Second semester: From 1660 to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

UPPER DIVISION

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor.

146. Europe since 1870 (spring) 3 units

The political, economic, and social development of pre-war Europe; pre-war diplomacy and causes of the World War; the World War; post-war developments in the several European states; international relations; present cultural status.

Three one-hour periods per week.

***149. History of Russia (spring) 3 units**

The internal developments and the foreign relations of Russia from the time of Peter the Great down to the present.

Three one-hour periods per week.

***167. The Foreign Relations of the United States (fall) 3 units**

The foreign policy of the United States in the 19th century; the rise of the United States to a position of world power and the problems and changes growing out of this new position.

Three one-hour periods per week.

189. History of the Pacific Coast (fall) 3 units

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

Political Science**151. American National Government (fall, spring) 2 units**

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

SPEECH AND DRAMATICS

The requirements for the A.B. degree in Speech and Dramatics, the major and minor requirements, and the courses of instruction will be found under Department of English, Division of Speech and Dramatics.

* Not given 1941-42.

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PAGELER, EDNA, A.B.

McKAY, ELEANOR, A.B.

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Mr. Bert Wilson
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Student Personnel

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Mr. Murphy
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Dr. Garff Wilson

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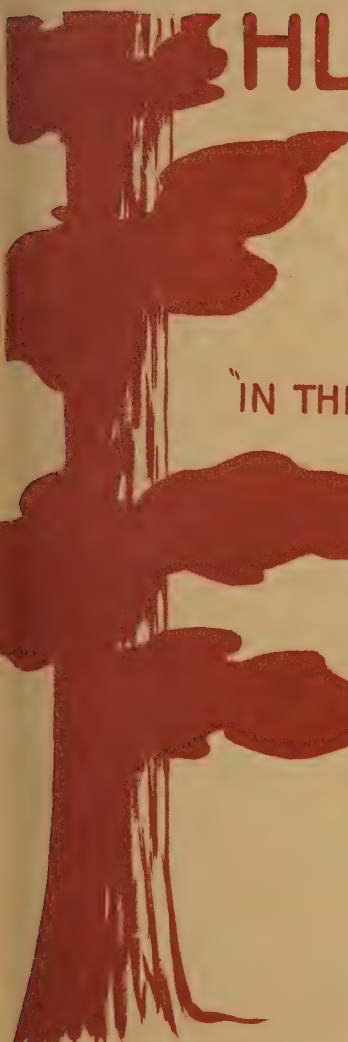
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ANNOUNCEMENT OF COURSES
COLLEGE YEAR, 1942-1943

A STATE COLLEGE FOR THE TRAINING
OF TEACHERS FOR THE PUBLIC SCHOOLS
AND FOR GENERAL COLLEGE WORK

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AUG 13 1942
UNIVERSITY OF ILLINOIS

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California, under the act of August 24, 1912

Published four times annually in the months of February
April, May, and June



ENTRANCE TO ADMINISTRATION BUILDING

1942

JULY

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1943

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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ACADEMIC CALENDAR, 1942-1943

Fall Semester, 1942

REGISTRATION PERIOD	Tuesday, Thursday, and Friday September 8, 10, and 11
Language Arts Tests	Tuesday, 9 a.m.
College Aptitude Test	Tuesday, 2 p.m.
Registration of—	
Seniors and 2d-semester Freshmen	Thursday, 9 a.m. to 12 m.
Sophomores	Thursday, 1 to 4 p.m.
Juniors	Friday, 9 a.m. to 12 m.
1st-semester Freshmen	Friday, 9 a.m. to 4 p.m.
INSTRUCTION BEGINS	Monday, September 14
Last day for program changes	Friday, October 9
Course fees due	Monday-Friday, October 26-30
ARMISTICE DAY	Wednesday, November 11
Mid-term warning notices	Friday, November 13
THANKSGIVING RECESS	Thursday-Sunday, November 26-29
CHRISTMAS HOLIDAYS	Saturday, December 19-Sunday, January 3
SEMESTER EXAMINATIONS	Saturday, Monday, Tuesday, and Wednesday, January 23, 25-27

Spring Semester, 1943

REGISTRATION PERIOD	Monday and Tuesday, February 1 and 2
Language Arts Tests	Monday, 9 a.m.
College Aptitude Test	Monday, 2 p.m.
Registration of—	
Seniors and 2d-semester Freshmen, A-M	Monday, 9 a.m. to 12 m.
Sophomores	Monday, 1 to 4 p.m.
Juniors	Tuesday, 9 a.m. to 12 m.
1st-semester Freshmen and 2d-semester Freshmen, N-Z	Tuesday, 1 to 4 p.m.
INSTRUCTION BEGINS	Wednesday, February 3
WASHINGTON'S BIRTHDAY	Monday, February 22
Last day for program changes	Friday, February 26
Course fees due	Monday-Friday, March 15-19
Mid-term warning notices	Friday, April 4
SPRING VACATION	Saturday through Sunday, April 17-25
MEMORIAL DAY	Monday, May 31
SEMESTER EXAMINATIONS	Thursday, Friday, Saturday, and Monday, June 3-5, 7
COMMENCEMENT	Friday, June 11

Summer Session, 1943

Six Weeks	June 21 to July 30
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Fall Semester, 1943

(Probable Dates)

Language Arts Tests	Wednesday, September 8, 9 a.m.
College Aptitude Test	Wednesday, September 8, 2 p.m.
Registration Period	Friday and Saturday, September 10 and 11

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NOTE TO THE PROSPECTIVE STUDENT

A Word about the College

Humboldt State College offers the prospective student several advantages and attractions. Despite its small size it can meet a considerable variety of educational needs. For those who look to teaching as a career the College provides sound and modern courses of training for the kindergarten through the junior high school levels. For those who desire a cultural education it offers the basic studies in the humanities and sciences. For those embarking upon a particular professional career it offers the studies necessary as groundwork and background. For those wishing to enter the business world it provides both practical training courses and a liberal arts curriculum in business.

Besides these educational facilities, which are the primary function of any college or university, the College affords a congenial dormitory life, an athletic program that gives opportunity to the experienced and inexperienced alike, and a natural environment that is not bettered anywhere in the state for scenery and opportunities for outdoor life. And lastly, though not least, because of its small size the College affords opportunity for students and faculty both to become acquainted with one another to a degree not possible in large schools.

A Word about this Catalog

This catalog is your introduction to the purposes and work of Humboldt State College. In it we have sought to put all the information necessary in order for you to know what courses of study the College offers and how the College and its student body are organized and function. Careful study of it will enable you to find your way about amidst the necessary curricular requirements and regulations with a minimum of assistance. An extensive table of contents in the front of the catalog is intended to help you find whatever you wish or need to know.

Acquaintance with some matters you can leave until after you have become well established in the College, but with certain parts of this catalog you should familiarize yourself as soon as you have decided to enter the College, namely:

(1) *How you enter the College.* The requirements and procedure for entrance and registration in the College are told in

the section titled "Admission to the College." The procedure for enrolling in classes is specified under "Academic Regulations."

(2) *What rules and regulations you are subject to once you are in the College.* Those rules and regulations applying to all students are found in the section "Academic Regulations." All students are held responsible for a knowledge of them. Those requirements referring to particular curricula are found under "Degrees, Credentials, and Curricula."

(3) *What courses of study you wish to follow.* The several groupings of curricula you will find outlined and described under "Degrees, Credentials, and Curricula." Specific curricula are detailed under the various departments in the section "Courses of Instruction." A system of cross references to pages in both sections should enable you to find your information readily. The explanatory note at the beginning of the section "Courses of Instruction" is called to your attention.

(4) *What your expenses will be.* The fees charged by the College and student body are listed under "Fees and Aids." They are payable at the time of registration. Some courses carry a fee to cover cost of materials used or transportation on field trips. The fee charged, if any, is specified along with the description of the course. Living expenses vary with the individual, but as a rule they are not high in Arcata. Living arrangements are discussed under "Student Life." Those students seeking financial assistance will find a few scholarships listed in the section "Student Life" and directions for seeking employment or temporary loans under "Fees and Expenses."

If, despite our best efforts, certain requirements or regulations are not entirely clear, feel free to communicate with the Office of the Registrar of the College, or if you can, personally visit us.

Meanwhile we invite you to come to Humboldt and hope we can welcome you here when the new semester opens.

THE PRESIDENT AND FACULTY
OF HUMBOLDT STATE COLLEGE

THE COLLEGE

LOCATION

Humboldt State College is located in the town of Arcata, which is situated on the north shore of Humboldt Bay in northern California. Backed by high forested hills, the College occupies a conspicuous position on the top of a hill, about a mile from the center of town. It commands an unrestricted panorama of forested mountains, bay, dairy and farm lands, sand dunes, Pacific Ocean, and at night the lights of Arcata, Eureka, and Samoa.

Arcata, the first town to be established in northwestern California, is located on the famous Redwood Highway eight miles north of Eureka and 300 miles north of San Francisco. It is reached by the Northwestern Pacific Railroad and Pacific Greyhound Lines. It has a population of approximately three thousand and possesses several churches, a fine school system, modern stores, a recently-built motion picture theater, hotel, and library. It also possesses a natural park and an attractive plaza. Box manufacturing and dairying form the basis of the business life of the community. Eureka nearby is a thriving city of about twenty thousand people. It is the county seat of Humboldt County and is the site of a woolen mill and several lumber mills. About fifty miles south of Eureka is Cape Mendocino, the westernmost point of the mainland of California. Humboldt State College enjoys the distinction of being the college farthest west in the United States.

The climate of the Humboldt Bay region, though moist, is stimulating and equable, the extremes of heat and cold being absent. Summer and fall are particularly delightful seasons.

PHYSICAL EQUIPMENT

Campus and Buildings

The physical plant of the College comprises a compact group of buildings and athletic facilities, appropriately landscaped. The main building, a rectangular two-story structure surrounding an inner court, houses the administrative offices, faculty offices, classrooms, library, student social unit, and auditorium. Adjacent to the main building are the original normal school buildings, used today for a variety of purposes. In the rear are a modern gymnasium and an athletic field,

which is being developed with aid of federal grants. In front, across the street from the main building, are four tennis courts for use of the students and faculty. Not far from the main building is Nelson Hall, a new \$200,000 dormitory named in honor of State Senator Hans C. Nelson, who contributed much to the development of the College. It includes a well-equipped dining commons. A small greenhouse, a fish hatchery, and game-bird breeding pens make up the remaining physical facilities of the College.

Back of the athletic field and gymnasium the College owns a large tract of second-growth redwood forest, in which have been cut a number of trails and clearings for purposes of recreation and botanical study.

Library

The library, situated off the south end of the inner court, contains some twenty thousand volumes. Though not large, this collection is well distributed as to subject matter, including recreational reading, and is constantly being added to. Its periodical list contains nearly one hundred and fifty titles, about half of which are scientific and professional and the rest of general nature. For many of the titles which the library does not possess it draws upon the collection of the California State Library, with which it has a borrowing arrangement. If desired, the library will also borrow, at a small expense charge, from the great collection of the library of the University of California at Berkeley. The library requirements of a small college are thus met in adequate fashion.

College Elementary School

The College maintains an elementary school on the campus, a short distance from the main building. It is here, as well as in the schools of Eureka and Arcata, through the cooperation of their school authorities, that the student teaching by the teaching credential candidates is conducted.

The College Elementary School extends from the kindergarten through the eighth grade. It is housed in a commodious and modern building of reinforced concrete, to which are being added several improvements, made possible by a recent grant of the State Legislature. Adjacent to the building are large fenced-in playfields.

HISTORICAL NOTE

Humboldt State College is one of the seven California state colleges, which have developed out of the old state normal schools. The original Humboldt State Normal School was established in 1913 by an act of the Legislature. Actual instruction began on April 6, 1914, the first class sessions being held in the Arcata Grammar School under an agreement between the Board of Education of Arcata and the normal school authorities.

The fine site of the College was donated by William A. Preston and the Union Water Company, whose officers were Noah H. Falk, Len Yocom, Mrs. Arthur Way, and Mrs. Kate Harpst. By January, 1915, temporary wooden buildings were constructed and ready for occupancy. In 1917 the Legislature appropriated \$245,000 for the permanent main building, which has been in use since February, 1922. A \$70,000 gymnasium was added in 1930 and the four tennis courts and the College Elementary School in 1933.

The professional curriculum in teacher training originally required two years to complete. Gradually it was extended and broadened to include many of the liberal arts and the sciences, so that today at least four years must be spent to complete any teacher credential curriculum offered by the College.

Control of the institution was first vested in a local board of trustees, appointed by the Governor. In 1921 control was transferred to the State Department of Education and the College placed in the hands of the Director of Education and the State Board of Education. The Legislature at the same time changed all of the Normal Schools to State Teachers Colleges, and authorized the State Board of Education to grant the Bachelor of Arts degree in Education. In 1935 the Legislature changed the name to Humboldt State College and authorized the granting by the College of the Bachelor of Arts degree in the liberal arts. Thus the College now functions as a teacher training institution and as a regional college.

During the year 1941-1942 approximately 500 individual students enrolled in the sessions of the College.

STUDENT LIFE

LIVING ACCOMMODATIONS

Living quarters for students in attendance at the College are available in Nelson Hall, in apartments, and in private rooming houses in Arcata. There are several of the latter available near the College at reasonable rentals. The monthly rate for rooms in private homes and rooming houses varies between \$7 and \$10. By eating at the college dining commons the cost of food can be kept to \$1 a day or less. Two or more students living together in an apartment can live for as low as \$15 or \$12 a month apiece for food and lodging. A list of approved living quarters may be obtained from the Financial Secretary of the College.

Nelson Hall, a new dormitory, operated by the College under the supervision of the Head Residents and the President, accommodates thirty women and thirty-five men in a congenial and comfortable environment. All rooms are double rooms and rent at the rate of \$6.50 a month per person. Bedding and towels and their laundering are provided by the dormitory. Students residing at the dormitory must agree to take their dinners at the dining commons, at the rate of 50 cents a meal, with allowance for regular absences over week-ends. Any student who finds it necessary to leave the dormitory during the semester should first consult one of the Head Residents and then submit two weeks' notice to the Financial Secretary.

Application for admission to Nelson Hall should be made through the office of the Financial Secretary. New students at Humboldt State, who are not known personally by the faculty, must accompany their application with two letters recommending the applicant's character and integrity. These letters should be from teachers or friends who have a personal acquaintance with the applicant.

In conjunction with the dormitory a College Commons is operated where students, faculty, and their friends may obtain meals at cost.

All lower division women students who do not commute daily to the College are expected to live in Nelson Hall, unless special arrangements are made by the parents with the Dean of Women. It is advisable, also, for upper division women to reside in the dormitory.

It is important that the College have correct local and home addresses for all students. A record of these addresses is kept both in the office of the Secretary to the President and in the office of the Registrar.

STUDENT ORGANIZATIONS

A number of student activities are carried on in the College in the form both of various student organizations and of certain activities such as athletics, dramatics, and music for which college credit is given. The administration is convinced of the value to prospective teachers of participation in a reasonable number of these activities.

Student Body Government

In keeping with the democratic tradition in American education the College administration encourages student body government as a means by which the students may acquire an appreciation of and practical experience in the art of self-government. It is expected that such government will develop leadership and a sense of responsibility among the students. However, the faculty retain authority and supervision over certain matters, such as student body finances and relations with individuals or groups outside the College where sound financial practice, legal responsibilities, and the best interests of the students make it advisable.

The organization of the associated students, known officially as the Student Service Association, consists of five officers—President, Vice-President, Secretary, Treasurer, and Publicity Manager—a Board of Control, and an Executive Committee. The student body officers are elected annually in the spring. The *Board of Control*, composed of the Vice-President of the student body as ex-officio chairman, three women, and three men elected along with the student body officers, is charged with the responsibility of maintaining high standards of conduct around the College. The *Executive Committee* consists of the five elected student body officers, the members of the Board of Control, and a faculty sponsor appointed by the President of the College. Its duties are to hold student body elections, set student body dues, approve and adjust the budget, authorize purchases and the payment of bills, inventory school property at the end of the school year, and oversee student body affairs in general.

Student Bookstore

For the convenience of the students the student body maintains a bookstore, where college textbooks and supplies may be obtained at cost, and a soda fountain.

Clubs and Societies

To recognize scholastic achievement, encourage particular interests, and afford recreation the students have established a number of organizations, which are authorized by and coordinated through the Student Service Association. They are listed with their sponsors as follows:

Alpha Psi Omega (a national dramatics fraternity)

Sponsor: Mr. Karshner

Associated Women Students

Sponsor: Mrs. Hadley

Chi Sigma Epsilon (local scholastic honor society) See p. 16

Sponsor: Miss Johnson

The College "Y"

Sponsor: Dr. Tolle

Favonian Club (women's social club)

Sponsor: Mrs. Telonicher

Humboldt State College Ski Club

Sponsor: Dr. Lanphere

Humboldt Tap Club

Sponsor: Mrs. Hadley

Kindergarten-Primary Club

Sponsor: Miss Bestor

Men's Association

Sponsor: Mr. Griffith

Mu Epsilon Psi (music club)

Sponsor: Miss Garvin

Rho Sigma (sophomore honor society)

Sponsors: Miss Johnson and Chi Sigma Epsilon See p. 16

Sigma Epsilon Rho (science club)

Sponsor: Dr. Lanphere

Student Teachers' Club

Sponsors: College Elementary School Staff

Women's Athletic Association

Sponsor: Mrs. Hadley

In addition the freshmen, sophomore, junior, and senior classes have each its class organization and faculty sponsor.

PUBLICATIONS

A weekly college newspaper, the "Lumberjack," is published by the associated students.

The student yearbook, "Sempervirens," is published in the spring.

SCHOLASTIC HONORS**Conferred by the Faculty**

GRADUATION HONORS are awarded to graduating students at Commencement, subject to the approval of the faculty, on the basis of their scholastic index achieved in their undergraduate work as follows:

Index 2.00-2.34—with honor

Index 2.35-2.74—with high honor

Index 2.75-3.00—with highest honor

SEMESTER HONORS are given to all regular students who during a semester complete twelve or more units of work carrying a letter grade and who achieve a scholastic index of 2.00 with no *F*'s or *Incompletes*. These honors are announced at the Chi Sigma Epsilon honor assembly early in the following semester.

THE PRESIDENT'S CUP has been provided as a stimulus to student teaching and a recognition of meritorious work. Each year there is engraved upon the cup the name of the student who, in the judgment of the faculty of the College Elementary School, most stands out because of his or her teaching in the Elementary School.

THE PHI BETA KAPPA MEDAL is presented at Commencement by the Phi Beta Kappa members of the faculty to the student of sophomore standing or higher who makes the highest scholastic average during the year.

Conferred by the Students

CHI SIGMA EPSILON is the upper division honor society, which elects members during the first part of each semester. High scholastic attainment, qualities of leadership, and high ideals of character form the basis of selection. Chi Sigma Epsilon Pledging Day honors with an assembly the students elected to membership.

RHO SIGMA is a sophomore honor society, sponsored by Chi Sigma Epsilon, whose active members select them each semester from the sophomore class on the same basis as election to Chi Sigma Epsilon.

THE CHI SIGMA EPSILON FRESHMAN MEDAL is presented each spring to the student who, in the opinion of the members of Chi Sigma Epsilon, is the outstanding member of the freshman class. Scholarship, character, and participation in student activities determine the award.

SCHOLARSHIPS AND MONETARY AWARDS**Conferred by College Organizations**

AWARD FOR CREATIVE WRITING. President and Mrs. Gist have provided an annual prize of \$10 to stimulate creative writing. The arrangements for submitting manuscripts and the selection of the recipient are in the hands of the Department of English.

CHI SIGMA EPSILON SCHOLARSHIP. This scholarship, which covers the general student fees for the freshman year, is donated by Chi Sigma Epsilon to a high school graduate of Humboldt or Del Norte County on the basis of scholarship, character, and participation in activities while in high school.

FACULTY WOMEN'S GIFT. The Faculty Women's Club of the College presents a monetary gift to a graduating woman at the close of the academic year. The award is made on the basis of scholarship and character.

MEN'S ASSOCIATION SCHOLARSHIP. The Men's Association of the College grants scholarships to two men graduates of the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic abilities. The scholarships consist of tuition paid for the fall semester of the freshman year. Selection is made by the scholarship committee of the Association from a list of candidates recommended by the high school principals.

Conferred by Civic Organizations and Individuals

ARCATA KIWANIS CLUB AWARD. The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

ASSOCIATED BUSINESS GIRLS' AWARD. The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

BUSINESS AND PROFESSIONAL WOMEN'S SCHOLARSHIP. The Business and Professional Women's Club of Eureka maintains a fund from which scholarships are awarded on a loan basis to women selected by the Club.

CRAIG SCHOLARSHIPS. Two scholarships have been established by Miss Ann V. Craig, former member of the College faculty, in honor of her father and mother. The Edith R.

Craig Scholarship is presented to a freshman student chosen at the end of his or her freshman year at the College. The John F. Craig Scholarship is presented to a sophomore student chosen at the end of his or her sophomore year at the College. Selection of the recipients is made by a faculty-student committee of three from those students in the respective classes who have a scholarship index of 2.0 or better and who have participated actively and commendably in at least one extra-curricular activity. Other considerations being equal, preference is given to the students with the greatest financial need. Each scholarship consists of \$25 for each semester of the following year to pay tuition, registration, and course fees and to purchase textbooks.

FERNDALE JUNIOR WOMEN'S CLUB SCHOLARSHIP. The Ferndale Junior Women's Club grants scholarships to worthy students in amounts sufficient to pay their college fees and purchase their books.

THE HUMBOLDT COUNTY FEDERATION OF WOMEN'S CLUBS SCHOLARSHIPS. Each year the Humboldt County Federation of Women's Clubs awards on a loan basis four scholarships of \$50, one in voice, one in a musical instrument, one in art, and one in dramatics. These scholarships provide a year's private instruction at the College. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor at the College in the field in which the award is made.

MUSICIANS UNION SCHOLARSHIP. Awarded by the Musicians Union of Eureka to a male graduate of a Humboldt County high school who is pursuing a serious study of music. Selection is made in the spring, after communication with the high schools of the county, by the scholarship committee of the union on the basis of scholarship and musical ability, determined through auditions. The recipient must enter the College not later than one year after graduation from high school and must major or minor in music for the duration of the award. He may be eligible for the award a second time. The scholarship consists of payment of tuition and other college expenses for a year.

SEQUOIA MUSIC CLUB SCHOLARSHIPS. The Sequoia Music Club awards each year on a loan basis at least two scholarships of \$50 in music. These scholarships provide for a year of private lessons at the College in either voice, piano, violin, or 'cello. Recipients are determined by an annual contest at

the College in the spring. They must be high school graduates of good standing and must major or minor in music at the College for the duration of the award.

SOUTH FORK P. T. A. SCHOLARSHIP. The Parent-Teacher Association of the South Fork Union High School awards a scholarship sufficient for fees and books to an outstanding and deserving graduate of that school.

For additional information concerning the foregoing scholarships and awards communicate with the Office of the Registrar, Humboldt State College, Arcata, California.

SOCIAL LIFE

Because of the small size of the College and the presence of a college dormitory a highly congenial and informal social life prevails, in which the faculty as well as the students take part.

A considerable number of student dances are given throughout the college year under student body auspices. The Associated Women Students hold a Freshman Round-Up early in the fall semester. In the spring they give a combined Mother's Day tea and fashion show, as well as a tea honoring the new freshmen students. They also assist as hostesses at social functions in honor of visiting schools or given by the faculty. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. A number of impromptu social functions are held among the students residing in the dormitory. At the end of the spring semester just before Commencement the graduating seniors conclude their undergraduate days with a series of outings and a senior banquet and ball.

The faculty sponsor several social functions for the students. Early in the fall President and Mrs. Gist and Dean Hadley entertain the freshmen and new students at a tea held in the Social Unit of the College. In the spring President and Mrs. Gist entertain the seniors at a tea in their home. During the last month of school the Faculty Women's Club entertain the graduating women. Likewise in the spring the faculty give a tea honoring all students of the College who have made outstanding scholastic records during the preceding semester.

ATHLETICS AND RECREATION

Intramural Sports

To promote recreation and physical exercise the Department of Physical Education conducts a program of intramural sports.

Among the woman class teams are organized in field hockey, volleyball, basketball, and softball, and play through a tournament in the course of the semester. During the spring semester the women hold an Individual Sports Day, which consists of final matches in tennis, archery, badminton, and golf, after a series of elimination matches preliminary to this event. The Women's Athletic Association, in conjunction with the Department of Physical Education, sponsors a Play Day at the College for the girls in all the high schools in Mendocino, Humboldt, and Del Norte counties.

For the men intramural competition is organized in basketball, volleyball, tennis, and golf.

Men's Athletics

The student body conducts a full program of men's intercollegiate athletics that includes football, basketball, baseball, track, and tennis, on both the varsity and junior varsity level. The College is now a member of the Far Western Conference. Competition is scheduled both in and outside of the Conference with colleges and amateur athletic organizations in California and Oregon. A large number of the men students participate in the intercollegiate competition of the College, for the coaching staff is especially interested in developing capable performers out of individuals with little or no athletic experience.

The Department of Physical Education requires all men participating in intercollegiate athletics and all women participating in intramural sports to pass a health examination each season.

Recreation

The student seeking recreation on his own will find in the surrounding country a variety of scenic and natural attractions. Several miles of sand dunes extend along the ocean from the north jetty of the entrance to Humboldt Bay to Little River. North of Little River the coast becomes rugged, with numerous caves, points, and reefs. About twenty miles north of Arcata on the Redwood Highway is Patrick's Point with fine picnic facilities, and a couple of miles beyond that is Big Lagoon, a virtual salt-water lake which, protected from ocean breakers, affords safe swimming and boating. Within an hour's drive or less one can reach the famous redwood groves south of Scotia and north of Patrick's Point, as well as along the Van Duzen River. At North Dyerville Flat stands the tallest tree in the United States, 364 feet in height. Consultation of any good road map of northern California will suggest several inter-

esting trips into a rugged and little settled back-country interior from the coast.

Still other attractions offer themselves. Humboldt County possesses a relative abundance of wild game and fish. In the winter there is skiing on Grouse Mountain, where the College Ski Club has built a cabin. In the summer there is swimming in the pools of Mad and Eel Rivers. The golf courses near Arcata and Eureka make special rates to students. The lighthouse at Cape Mendocino, the lighthouse and Spanish cross at Trinidad Head, the Blowhole three miles south of Trinidad, the Coast Guard station on the peninsula, the woolen mill in Eureka, the box factory in Arcata, and the large lumber mills in Samoa, Eureka, and Scotia are places well worth visiting.

MUSIC AND DRAMA

There is abundant opportunity for students to participate in musical and dramatic activities at Humboldt. A wide and varied program is offered in both fields.

Musical organizations include a Little Symphony Orchestra, a College Chorus—open to all men and women regardless of ability—and an A Cappella Choir. These groups give concerts in both the fall and spring terms. In addition the A Cappella Choir annually tours Northern California and the Bay region, singing at many schools, colleges, and churches. The Choir has gained State-wide recognition for its outstanding performances.

The Drama Department of the College is noted for its productions. Each year it presents four or five major plays, a group of one-act plays, and a student variety show, in which a large proportion of the student body participates. Acting parts in these productions are open to all students who wish to try out. Also, through the Dramatic Workshop experience is offered in the other arts and crafts of the theater: scene design, stage-craft, lighting, make-up, etc.

Humboldt State exchanges plays with two other colleges. Annual drama festivals are held with both San Francisco State College and Chico State College. Thus, each year the Humboldt Players have the opportunity of traveling to one of these schools and of entertaining the other on the Humboldt campus. The festivals, which are noncompetitive in nature, have become well known throughout Northern California.

Students receive regular course credit for participation in either Music or Drama.

COUNSELING

The College maintains a program of counseling and guidance for entering freshmen. At the time of registration individual attention is given by the faculty program advisers. Early in the semester the Dean of Women interviews each woman student and the Dean of Men each man student in the freshman class. Meanwhile, both the Associated Women Students and the Men's Association make it their task to see that the freshmen become acquainted with other students and with the customs and organizations of the College. To assist the freshmen in adjusting themselves to their studies and choice of curriculum an Orientation class meets every week during the fall semester (see p. 107).

At all times the students are free to consult their program advisers and the officers of the College about the problems confronting them.

COMMUNITY RELATIONS

PLACEMENT SERVICE

The College maintains a Placement Bureau as a service both to the teacher graduates of the College and to school officials. It seeks to help the College graduates, both current and past, find the positions best suited to their abilities and training and to assist school executives by recommending to them the candidates best suited to the positions to be filled. The bureau assembles and furnishes to school officials information about the character, sense of responsibility, scholastic achievement, participation in student activities, and success in student teaching of the graduates of the College.

Students seeking positions as teachers will find it to their advantage to work through the Placement Bureau. They should register with the bureau early in their senior year so that the necessary data about them may be collected in plenty of time.

COMMUNITY SERVICE

Inasmuch as the College is a state institution, its facilities, when not in use for college purposes, are available for use by the citizens of the state. It particularly welcomes conventions, conferences, and assemblies of educational or cultural nature. The College auditorium seats four hundred. Arrangements for the serving of meals in the dining commons should be made with the Financial Secretary of the College.

EXTENSION COURSES

Extension courses will be conducted at the College in the evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI ASSOCIATION

The Humboldt State College Alumni Association includes among its objectives assistance to the College in administrative problems and guidance and counsel of recent graduates. The officers for the year 1941-42 are: William Morehouse, president; Marie Nordquist Seidell, vice president; Hally Jones Eastman, secretary; Hugh B. Stewart, treasurer; and Jane Dotter, editor of the *Humboldt Alumnus*.

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students. Such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of his major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State Col-

lege authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

Scholarship Average. In the case of students transferring to this college from other institutions, the scholarship average at the previous institution will be included with the average made at this college.

Extension Credit. Extension work taken in other institutions is allowed only up to 10 per cent of the total curriculum requirement.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are accepted credit for credit at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our pre-secondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The Graduate Division of the University of California finds that it is rarely, if ever, possible for a graduate with the A.B.

degree from any institution to receive both the high school credential and master's degree in one year.

All students intending to transfer to another institution after a year or two at Humboldt should consult the requirements of the institution to which they intend to transfer and arrange their programs at Humboldt accordingly.

LANGUAGE ARTS TESTS

A series of tests in writing, reading, and speech is given to entering freshmen at the beginning of each semester (see Academic Calendar). The tests are designed to determine whether a student is in need of remedial work in any branch of the language arts. Special attention is thereafter given in English 1A-1B to correct whatever deficiencies are revealed by the tests.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test which is given immediately after the Language Arts tests.

ORIENTATION

All freshman students are required to enroll for an orientation course, which meets during the fall semester once a week (see p. 107).

REGISTRATION

Students should report for registration in compliance with the schedule announced in the calendar. A faculty adviser is assigned to each student according to the curriculum he selects. After a program has been approved by the adviser, the student completes his registration by the payment of fees and the filing of his registration and course cards.

The students' official study list is filed in the office of the Registrar. Since this list is the basis for official reports and records, the student must assume responsibility for keeping this list accurate at all times.

Prior to formal registration, conferences may be held with advisers or with the Registrar about suitable programs or course requirements.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the semester. Transcripts of former work should be filed with the Registrar two weeks in advance.

Students who are unable to report for registration during the designated period must make special arrangements with

the administration and the faculty concerned. A special fee of \$1 is collected for late registration.

The procedure for enrolling in classes is described on p. 30.

SUMMER SESSION

Each year the College holds a summer session designed to meet the needs of (1) high school graduates prepared to enter college, (2) students and teachers working toward the A.B. or B.E. degree or a teaching or administrative credential, and (3) persons seeking cultural advantages or combined study and recreation in one of the most scenic regions of California.

Requirements for admission to the summer session are the same as those for the regular semester sessions (see p. 24).

Courses are planned for full six weeks' attendance, though in certain instances credit for three weeks' attendance may be arranged.

The Registrar will send the Summer Session Bulletin upon request.

ACADEMIC REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation hour per week for eighteen weeks, with two hours of preparation for each recitation hour. It may be administered as three recitation hours per week for eighteen weeks without outside preparation.

CLASSIFICATION OF STUDENTS

Students are classified in two ways in terms of number of units completed.

Students who have completed less than 60 units are classed as *lower division* students. Ordinarily they are allowed to enroll only in lower division courses (see p. 53). Students who have completed 60 or more units are classed as *upper division* students. They may enroll in both lower and upper division courses.

A student's class is determined by the number of units completed, as follows:

Freshmen	Less than 30 units
Sophomores	30 to 59½ units
Juniors	60 to 89½ units
Seniors	90 or more units

During a given semester students registered for six or more units are classified as *regular* students. Students registered for less than six units are known as *limited* students.

MARKING SYSTEM

Grades

A five-grade marking system is used. The grades employed are defined as follows:

A	Excellent
B	Good
C	Average
D	Barely Passing
F	Failure

Plus (+) as given in certain courses means passed with a grade of C or better. Inc. means "incomplete," W "withdrawn."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not given to students who are failing or who are dilatory. *The uncompleted work must be made up within the next year of residence, or the Incomplete automatically becomes a Failure.*

Honor Points

Each of the above grades carries honor points as follows:

A-----	3 per unit
B-----	2 per unit
C-----	1 per unit
D-----	0 per unit
F-----	Minus 1 per unit

No honor points are given for an Incomplete until the final grade is given. Neither units nor honor points are given for a course from which a student withdraws. Hence, marks of incomplete or W have no effect upon the Scholarship Index.

Scholarship Index

The Scholarship Index is a device for rating a student's scholarship average. It is derived by dividing the total number of honor points earned by the total number of registered units. In computing the index, units are not included for elective courses that carry no honor points.

Unless otherwise specified, the term "Scholarship Index" refers to the cumulative rather than the semester index.

NORMAL PROGRAM

Fifteen or sixteen units of work in addition to a half-unit in physical education constitute an average program for a semester. According to the definition of semester unit given above, this means forty-eight hours of actual work each week.

Students who have demonstrated their ability, measured in terms of the Scholarship Index, may be permitted to carry additional work according to the following scale:

<i>Index of Scholarship</i>	<i>Maximum load for following semester</i>
.25-1.74 -----	17½ units
.75 and above -----	18½ units

First semester freshmen, however, are limited to a maximum load of 17 units.

The approval of the Health Department is also required for students who register for more than the normal program.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

CLASS ENROLLMENT AND ATTENDANCE

For each student who registers for a given class a course card is issued to the instructor. No student may be admitted to class unless the instructor has received his course card.

The College believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should obtain the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Any member of the faculty may exclude from his course any student who has neglected the work of the course, or is discourteous, or persists in practices annoying to the instructor or the class.

CHANGES OF PROGRAM

Necessary program changes may be made during the first four weeks through the Registrar's office with the consent of the student's adviser. Thereafter no program changes may be made. Exceptional cases, however, may be referred to the Scholarship Committee.

To drop a course, the student's procedure is as follows: (1) obtain his course card from instructor, (2) have it signed by adviser, and (3) turn it in at the Registrar's office. To enter a new course, the student should (1) obtain a "Permit to Enter" card from the Registrar, (2) have it signed by his adviser, and (3) exchange it at the Registrar's office for a course card which is filed with the instructor.

WITHDRAWAL FROM COLLEGE

Upon petition, an honorable dismissal may be granted to any student in good standing, provided arrangements have been made with the Registrar.

During the first twelve weeks of any semester, students withdrawing from college with official sanction shall be given a mark of W.

During the last six weeks of any semester, those who withdraw shall be given W's or F's depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college during this period may petition for Incomplete grades. This privilege shall be granted only to those whose work is of passing grade at the time of withdrawal.

Students who neglect to comply with these regulations shall have their courses reported as Failures.

REPORTS TO STUDENTS

At the end of the semester, reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having particular difficulties in certain subjects are periodically interviewed by the President.

CREDIT BY EXTENSION

Students regularly enrolled in the College may be admitted to extension classes upon the approval of the adviser and the President of the College. In such cases the combined program shall be subject to the established load limitations for regular students.

Not more than 30 units (25 per cent) of the 120 units required for the A.B. degree may be taken in extension classes of either the College or other institutions.

PROBATION AND DISQUALIFICATION

Any student whose cumulative average drops below 1.00 (a C average) shall be given a warning notice.

If a student's scholarship index for a semester falls below .50 (midway between a C and a D), he shall be placed upon probation for the ensuing semester.

A student on probation shall not be permitted to enroll for more than $13\frac{1}{2}$ units. To get off probation, he must:

- (a) Complete at least eight units of work during the semester;
- (b) Achieve an index for the semester of .50 or better. (If he wishes to do so, he may attend summer school, averaging his summer grades with those of the preceding semester to achieve the requisite .50.)

A student on probation shall be automatically disqualified if his index for the semester drops below 0 (a grade average of D). Should his semester index be between 0 and .50, he shall remain upon probation for a second semester. At the close of the second probationary semester, if he has failed to achieve the required standard of .50, he shall be disqualified.

The College, at the discretion of the faculty Scholarship Committee, may disqualify also those students who have been registered in school two or more semesters and whose cumulative scholarship index is less than .75.

A student who has been disqualified for unsatisfactory scholarship may apply through the Registrar for re-entrance upon probation after the lapse of one semester.

Students whose personal conduct is unsatisfactory may be disqualified by administrative action at any time.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of the students, the College engages a college physician and maintains a health service whose purpose is to examine, counsel, and assist students. At least three medical examinations are given each student as follows:

- (1) At entrance (including a dental examination)
- (2) During the junior year
- (3) Before graduation

Emergency treatment is given in case of accident or illness. By special arrangement through the Health Department and the Student Body, with the cooperation of a local hospital, hospital service is provided at special rates.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is not permitted to students who are on probation. Participation in inter-collegiate athletics is subject to the rules of the Far Western Conference, of which Humboldt is a member.

FEES AND EXPENSES

STATE FEES

Required

Payable by all students taking 6 or more units at the time of registration.

Registration fee—per semester-----	\$6 50
Materials and service fee—per semester-----	4 00
Limited students—per unit-----	50

Occasional

Registration fee for students taking 5 semester units or less— per unit -----	\$2 50
Extension fee—per unit-----	5 00
Nonresident tuition fee—First semester-----	75 00
Each subsequent semester-----	37 50
Late registration fee-----	1 00
Diploma fee at graduation-----	2 50
State credential fee-----	3 00
Placement Service fee (for five sets of recommendations)-----	1 00
Each additional set-----	20
Additional transcripts, each-----	1 00
Special Examinations—Mid-term -----	50
Final -----	1 00

Summer Session

Summer Session registration fee (six weeks)-----	\$25 00
Less than six weeks—per week-----	5 00
Health and Physical Education fee-----	50
Student Body Lecture and Recreation Fund-----	50

Auditors

Persons enrolled in College classes as auditors only are subject to the above fees in same manner as those enrolled for credit.

STUDENT BODY FEES

Fee—per semester -----	\$5 00
Student annual (first semester only)-----	2 50
Physical Education fee—per semester-----	75
Hospitalization and health fee—per semester-----	75

The student body fees are applied to a varied program of student activities, which include music, drama, athletics, the college paper, social activities, and others. It is only through the financial support of the students that this important phase of college life becomes possible.

Membership in the associated students is not obligatory, though advisable. It entitles one to a subscription to the college paper, the *Lumberjack*; admission free or at reduced rates to athletic contests and social functions; and participation in student-body and class activities.

REFUNDS

STATE FEES. Refunds of these fees are subject to regulations set forth by the State as follows:

The tuition fee charged a resident or non-resident student may be refunded if the student has not attended in excess of two weeks from the date of registration in any semester, provided that in the judgment of the president of the college, withdrawal of the student is the result of circumstances beyond the student's control, and provided further that the amount of \$1.50 per semester shall be retained to cover the cost of registration. In case a student is unable to continue a course because of a college regulation, the entire fee may be returned, but in each such case the circumstances concerning the application of such regulation must be stated on the application submitted to the State Director of Education.

When a student transfers from the classification of limited to regular, or from regular to limited, or reduces the number of units for which a student is registered in a limited classification, \$0.50 shall be withheld as a charge to defray the cost of bookkeeping.

A late registration fee is not returnable.

When a student withdraws from the college or from any course, any unused portion of the service fees paid by the student may be refunded.

A student entering any class, in which a service fee is charged, shall pay the full fee irrespective of the time when the class is entered.

STUDENT BODY FEES. These fees are not refunded if a student has participated in any student body activity.

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are available for needy and deserving students. The college employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. It should be borne in mind, however, that there is usually a waiting list of forty or fifty applicants. Application for employment should be made to the Financial Secretary before registration.

LOAN FUNDS**General Student Loan Fund**

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Men's Advisor, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration. Rarely are loans made to new students.

The Rotary Club of Arcata has a loan fund available for worthy students recommended by the President.

DEGREES, CREDENTIALS, AND CURRICULA

GENERAL STATEMENT

The curricula offered by the College fall principally into two groups: (1) degree curricula leading to a Bachelor of Arts or a Bachelor of Education degree and (2) lower division curricula. In addition the College offers work leading to two administrative credentials. The various curricula of the College are listed as follows:

I. Degree curricula

A. A.B. Degree with

General Elementary Credential
General Junior High School Credential
Kindergarten-Primary Credential
Special Credential in Physical Education
Combinations of the foregoing credentials

B. A.B. Degree in Liberal Arts, with a major in

Biological Sciences	Social Sciences
Economics and Business	Speech and Dramatics
English	

or with a General Major

C. A.B. Degree in Liberal Arts, with a pre-secondary major in

Biological Sciences	Social Sciences
English	Speech and Dramatics

D. B.E. Degree (for teachers not holding an A.B. Degree)

II. Lower division curricula

A. Terminal

Commercial Training	Photography
Secretarial Training	Wildlife Management
General Business	
Merchandising	

B. Preparatory for transfer to other institutions

Agriculture

Agricultural Economics

Animal Science

Plant Science

Commerce (completion in the College of Commerce at the University of California)

Dentistry	Mathematics
Engineering	Medicine
Forestry	Nursing
Home Economics	Optometry
Law	Pharmacy
Liberal Arts or Letters and Science	

III. Administrative credentials

- A. Elementary School Principal or Supervisor
- B. Elementary School Executive

DEGREE CURRICULA

Bachelor of Arts

The Bachelor of Arts or A.B. degree is granted customarily after four academic years of work in the following forms:

(A) A PROFESSIONAL DEGREE IN CONJUNCTION WITH ONE OR MORE CALIFORNIA TEACHING CREDENTIALS. One of the primary functions of the College is the training of teachers. To that end the College offers work leading to (a) the General Elementary Credential, (b) the General Elementary and Kindergarten-Primary Credentials issued jointly, (c) the General Elementary and General Junior High School Credentials issued jointly, and (d) the Special Credential in Physical Education, alone or in conjunction with the others. For a detailed description of the academic and other requirements for the A.B. degree and these credentials see pages 39-41 and 74-81.

(B) A NON-PROFESSIONAL DEGREE IN LIBERAL ARTS. The nature of this degree is primarily cultural, as it represents a broad background in the humanities and the sciences. No teaching credential is involved in this case. The degree is, however, of considerable value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The A.B. degree in Liberal Arts is offered in these fields:

- Biological Sciences (pp. 57-58)
- Economics and Business (p. 114)
- English (p. 85)
- Social Sciences (pp. 114-15)
- Speech and Dramatics (p. 89)

The basic A.B. degree requirements are given on pages 39-41, the specific major requirements on the pages indicated in the parentheses.

In addition to the above subject-field majors the College offers a General Major of 36 units in the upper division, distributed among three subject-fields chosen from the lists of majors and minors on pp. 40-41. The student following this major may, in consultation with his advisor, arrange the distribution of the 36 units in whatever proportion seems best, subject however, to the following requirements:

- (a) Not less than 6 upper division units must be taken in each field, together with the lower division prerequisites; the total of upper division units in any one field should, however, be less than 24.
- (b) Sufficient work must be taken in one field to meet the minimum requirements of the State for a major (see p. 40).
- (c) Sufficient work must be taken in each of the other two fields to meet the minimum requirements of the State for a minor (see p. 41).

(C) A PRE-SECONDARY LIBERAL ARTS A.B. DEGREE. This form of the A.B. degree is intended for those students who plan to obtain the General Secondary Credential qualifying them to teach in the high schools of the state. The College is not authorized to grant this particular credential, which calls for a year of graduate study in an institution authorized to offer the professional courses required for the credential. However, the required A.B. degree in a subject field taught in the secondary schools may be obtained at the College in these fields:

- Biological Sciences (p. 58)
- English (p. 85)
- Social Sciences (p. 115)
- Speech and Dramatics (p. 90)

The basic A.B. degree requirements are given on pages 39-41, the specific major requirements on the pages indicated in parentheses.

In addition to the above curricula the Collège provides the first three years of work in Business Education, such work being preparatory to completing the requirements for the A.B. degree and the Special Secondary Credential in Business Education at another institution (see p. 68).

Students who intend to obtain a General Secondary Credential are advised to consult the particular requirements of the institution to which they plan to transfer.

Students who plan to obtain a General Secondary Credential at the School of Education of the University of California are directed to the fact that before receiving the credential they must have satisfied:

- (1) Matriculation requirements of the University;
- (2) The requirements for the degree of Associate of Arts of the University (see p. 43 of this catalog);
- (3) The following minimum scholarship index requirements of the School of Education:

Upper division work-----	1.50
Postgraduate work -----	1.75
Educational courses -----	1.00
Work for the major-----	1.75
Work for the minor-----	1.00

General Requirements for the Bachelor of Arts Degree in All Forms

Of the two degrees which the College is authorized to grant the A.B. degree in its three forms is by far the more commonly awarded. To receive this degree, whether in conjunction with a California teaching credential or as a non-professional degree in liberal arts, the student must fulfill certain basic requirements set up by the State Department of Education and the College. They are the following:

Units. A minimum of 120 units is necessary for graduation. Of these at least 40 units must be selected from upper division courses. Not more than 60 units taken in any one department may be counted toward fulfillment of the total number of units for graduation. For maximum units in Education, see p. 74.

Residence. At least 24 of the 120 or more units for graduation must be completed at this College in residence.

Of the minimum of 24 units not more than 12 may be taken in the extension division of the College. Six of the last 30 units taken for a degree must be taken *in residence* at the College.

Subjects. All candidates for the degree must take:

Social Science	14 units
Nearly all of the four-year curricula stipulate that the 14 units be taken in the lower division.	
Biological and physical sciences.....	14 units
Twelve of these units must be taken in the lower division, with the provision that the total number may be reduced by substituting equivalent work in high school at the discretion of the Department of Biological and Physical Sciences.	
English (in the lower division).....	6 units
Psychology (in the lower division).....	3 units
Physical Education (in the lower division; see p. 108)...	2 units
American Government	2 units

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A *major* is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the Junior High School Credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 60) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Biology	Biological Sciences	Biological Sciences
English	Economics and Business	English
Home Economics	English	Social Sciences
Industrial Education	Social Sciences	Speech and Drama
Music	Speech and Drama	
Physical Education		
Social Sciences or Economics or History		
Speech and Drama		

A *minor* is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	English	Music, Vocal or
Biology	French	Instrumental
Botany	History	Physical Education
Commerce	Home Economics	Social Sciences
Economics	Industrial Education	Speech and Dramatics
Education	Mathematics	Zoology

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with the degree.

Bachelor of Education

The Bachelor of Education or B.E. degree is designed for successful teachers in the field who would find difficulty in meeting all the requirements for the A.B. degree but who wish to have a modern bachelor's degree. The degree is professional in character, carries no credential with it, and is not intended to qualify its recipients for graduate standing in the universities.

The California State Board of Education on January 7, 1937, authorized the seven State Colleges to grant this degree, the requirements for which are based upon an evaluation of successful experience and educational activities as a substitute for certain academic and professional courses.

The operation of this curriculum will not extend beyond February 1, 1947. All applications for candidacy must have been filed and at least six semester hours of work have been completed before February 1, 1942. All the requirements must

be completed and the degree conferred prior to February 1, 1947.

Recognized candidates for this degree who wish information about requirements, fields of study, and courses should write to the College Registrar.

LOWER DIVISION CURRICULA

The College offers two types of lower division curricula. The first is terminal in character and is offered in the following fields:

Commercial Training (pp. 69-70)

Secretarial Training

General Business

Merchandising

Photography (p. 58)

Wildlife Management (p. 59)

The second type comprises a number of lower division curricula, the continuance of which in the upper division the College is not equipped to provide. Most of such curricula are pre-professional or technical in character, and are designed to meet the needs of those students who plan to obtain a Bachelor of Arts or a Bachelor of Science degree or a certificate of completion at some other institution, but who wish to do the lower division work at Humboldt. *These students should acquaint themselves with the particular requirements of the institutions to which they intend to transfer and should ascertain which of the courses offered at the College will be accepted in preparation for their chosen fields of study.*

The following curricula are the more common fields of study in which the College offers lower division courses. These curricula are suggestive rather than fixed, since the specific course requirements of other institutions may vary. Nor is the list of lower division curricula complete; others may be arranged if the demand presents itself.

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University. To aid the student in planning his course, the requirements for the degree of Associate of Arts, which the University grants upon completion of the lower division work, are given here:

- (a) Subject A.
- (b) *Foreign languages.* At least 15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units towards this requirement.)
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: Botany, Chemistry, Geology, Paleontology, Physics, Physiology, and Zoology, including a year course in a laboratory science. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of *three* of the following groups:
- (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy
 - (6) Fine Arts

Agriculture

Recommended Sequence

Agricultural Economics

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Orientation 1 -----	1	
Philosophy 6A-6B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
Psychology 1 -----		3
Commerce 14A-14B -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Animal Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Plant Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Commerce

This curriculum is planned to meet the lower division requirements of the College of Commerce at the University of California at Berkeley, which grants a Bachelor of Science degree in Commerce upon completion of a four-year curriculum. The lower division requirements in terms of the courses offered at Humboldt are:

(a) Subject A.

(b) *Foreign languages.*

Twelve units in one foreign language. (Each year of high school work in the language offered is counted in satisfaction of 3 units of the requirement.)

(c) *Mathematics.*

Elementary Algebra (high school), Geometry (high school), Mathematics 2 (Mathematics of Finance), 3 units. The prerequisite for Mathematics 2 is Mathematics 1 (Intermediate Algebra) or two years of high school Algebra and Trigonometry.

(d) *Natural Science, 9 units.*

Bacteriology 1	Paleontology 1
Botany 1A-1B	Physics 1A-1B, 2A-2B, 3A-3B, 10
Chemistry 1A-1B, 8, 9	Physiology 1A
Geology 1A	Zoology 1A-1B

(e) *English or Public Speaking.*

English 1A-1B or Speech 1A-1B, 6 units.

(f) *History or Political Science.*

History 4A-4B, 6 units.

(g) *Geography.*

Geography 1 and Geography 2, 3-3 units.

(h) *Economics.*

Economics 1A-1B, 6 units. Economics 40, 3 units.

(i) *Recommended elective.*

Commerce 14A-14B (Accounting).

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Foreign Language -----	3	3
History 4A-4B -----	3	3
Science -----3, 4 or 5	5	3, 4 or 5
Mathematics 1 (if needed to meet Mathematics requirement) -----	3	
Geography 2 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Economics 1A-1B -----	3	3
Foreign Language -----	3	3
Science -----		3
Geography 1 -----	3	
Mathematics C (if needed to meet Mathematics requirement) -----	3	
Mathematics 2 -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Dental

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B } -----	3	3
or } -----		
†Year course } -----		
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the degree of Associate of Arts in the College of Letters and Science of the University of California.

* Required if student did not have a course in Physics in high school.

† Chosen from the Associate of Arts list, group (e), p. 43.

Pre-Engineering

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Forestry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A or Geography 1 -----	3	
Botany 4 -----		3
Economics 1A-1B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Home Economics

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 -----		2
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
History 4A-4B -----	3	3
Home Economics 1, 3 -----	3	3
Orientation 1 -----	1	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Art 2 -----		3
Bacteriology 1 -----	4	
Biology 10A -----	3	
Chemistry 8 -----		3
Economics 1A-1B -----	3	3
Home Economics 11, 20 -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 -----		3
Speech 1A -----	3	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Legal

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French 1A-1B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	2	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

French 2A-2B -----	3	3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$

Liberal Arts

See the requirements for the degree of Associate of Arts, College of Letters and Science, University of California, listed on p. 43 of this catalog.

Pre-Medical

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French 1A-1B -----	3	3
History 4A-4B -----	3	3
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French 2A-2B -----	3	3
Year Course from group (e) ¹ -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Nursing

Recommended Sequence

One-Year Curriculum

	Sem. 1	Sem. 2
Anatomy 66 -----	3	
Bacteriology 1 -----	4	
English 1A -----	3	
Physical Education 2 -----	2	
Physical Education Activity -----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 -----		5
Psychology 1 -----		3
Orientation 1 -----	1	
Electives -----	3	8
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ See p. 43.

Two-Year Curriculum**FRESHMAN YEAR**

	Sem. 1	Sem. 2
Anatomy 66-----	3	
Chemistry 2-----	3	
English 1A-1B-----	3	3
Physiology 1-----		5
History 4A-4B-----	3	3
Foreign Language-----	3	3
Physical Education 2-----		2
Orientation 1-----	1	
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1-----	4	
Psychology 1-----		3
Economics 1A-1B-----	3	3
Philosophy 6A-6B-----	3	3
Political Science 151-----		2
Electives-----	6	5
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Optometry**Recommended Sequence****FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B (Comp. and Lit.)-----	3	3
*Foreign Language-----	3	3
Orientation 1-----	1	
Phys. Educ. 2 (Hygiene)-----		2
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (Gen. Physics Lectures)-----	3	3
Physics 3A-3B (Gen. Physics Laboratory)-----	1	1
Psychology 1 (General Psychology)-----	3	
Elective-----	2	3
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 1A-1B (General Chemistry)-----	5	5
Mathematics 3A-3B (Plane Anal. Geom. and Calculus)---	3	3
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 (Introductory Physiology)-----		5
*Year Course (Group e)-----	3	3
Elective (Bacteriology 1 recommended)-----	4	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

* See the requirements for the degree of Associate of Arts, College of Letters and Science, University of California, listed on p. 43 of this catalog.

Pre-Pharmacy

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

ADMINISTRATION CREDENTIAL CURRICULA

An Administration Credential is required for the position of principal of a school of more than five teachers. It is also required for a supervisor devoting more than half-time to supervision of instruction.

There are two types of Elementary School Administration Credentials:

1. THE ELEMENTARY SCHOOL PRINCIPAL OR SUPERVISOR—for principals or supervisors working under a superintendent of schools.

2. THE ELEMENTARY SCHOOL EXECUTIVE—for principals or superintendents working directly under a board of education.

General Requirements

A candidate for an Elementary School Administration Credential must

- hold a valid General Elementary Credential;
- present a health certificate signed by a licensed physician;
- submit verification of two years of successful teaching experience;
- complete, with a scholarship average of C,
for Type 1—18 semester units of work
for Type 2—24 semester units of work

beyond all requirements for the General Elementary Credential in courses taken concurrently with or subsequent to teaching experience.

† Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A or Speech 1A.

Course Requirements		Type 1	Type 2
		Units	Units
1. Professional courses -----		(10)	(12)
(a) Required ¹			
Educ. 115, Educational Tests and Measurements--	2		2
Educ. 139, Elementary School Curriculum-----	2		2
Educ. 140A, School Administration and Supervi-			
sion -----	2		2
Educ. 140B, Field Work -----	2		2
Educ. 144, State and County School Administra-			
tion -----	--		2
Educ. 152, Visual Education -----	2		2
(b) Elective courses (to be selected only by those who			
have already completed some of the above required			
courses).			
2. Nonprofessional courses-----	8		12
Total units required-----	18		24

AERONAUTICS

In conjunction with the Pierce Flying Service of Eureka the College has been authorized by the Civil Aeronautics Authority to give work leading to a private pilot certificate.* This flight course is outlined and largely financed by the federal government. It consists of ground work of approximately 72 hours in theory given at the College and 50 hours of flight training given by the Pierce Flying Service.

This course is open to a limited number of men who (1) are between the ages of 18 and 24 inclusive, (2) have passed the medical examination given by an authorized examiner, and (3) are full-time students at the College with at least sophomore standing, or, if not enrolled in the College, have had at least two years of college work. It is open to students who have a secondary interest in aviation as well as those who have chosen some branch of aeronautics as a vocation or profession. College credit will be given to those who wish it and who are enrolled in the College (see Aeronautics under "Description of Courses"). A fee of \$15 is charged each enrollee to cover the cost of insurance and the medical examination.

For further information and for making application communicate with Miss Sarah Davies, Secretary to the President, Humboldt State College.

¹ Customarily offered during the College's Summer Session.

* This authorization is subject to annual renewal. At present this flight course has been suspended until the federal government lifts the ban on civilian flying in the Pacific coast area.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and seniors as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open only to students who have attained upper division status and who have completed a lower division course or courses deemed preparatory by the department concerned. Sometimes they are elementary courses in subjects of such advanced character as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399, inclusive. They are open only to upper division or graduate students.

Courses designated with a letter only (e.g., Mathematics C) are courses of high school level that are taught in college.

The semester in which a course is taught is indicated parenthetically after the title. Those courses designated "year" run consecutively through both the fall and spring semesters.

A course designated by a double number (e.g., History 1A-1B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first number in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where parts of a course with the same number are listed separately, e.g., Physical Education 192A, Physical Education 192B, the A part is not prerequisite to the B part, unless explicitly so stated.

Some courses are designated by a number and a succession of letters without repetition of the number before each letter, e.g., Speech 25A, B, C, D. In such instances the letters indicate the number of times the particular course may be taken for credit.

Because of varying exigencies from semester to semester in making up the schedule of classes, the instructor and time and place of meeting of each course of instruction are not given in the following descriptions. At the end of each semester a schedule of classes, containing such information for the following semester, is made up and mimeographed for distribution.

AERONAUTICS

For additional details see p. 52.

- | | | |
|-----|--|----------------|
| *1. | C. A. A. Ground Course (fall, spring)
Meteorology, navigation, and civil air regulations. | 4 units |
| *2. | C. A. A. Flight Course (fall, spring)
Flight training leading to the civilian's pilot license. | 1 unit |

ART

MINOR REQUIREMENTS

<i>Minor in Art</i>		
Lower Division	Art 1-----	2 units
	Art 6-----	3 units
	Additional L. D. Art-----	1 unit
Upper Division	Art 115A-----	3 units
Total units required	Additional U. D. Art----- 12 units	3 units

A liberal arts group major which includes Art may be arranged in consultation with the student's adviser and the Registrar's office. See page 38.

DESCRIPTION OF COURSES

LOWER DIVISION

- | | | |
|----|--|----------------|
| 1. | Art Structure (fall, spring)
Analysis of structural principles of art; the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.
Two one-hour periods per week. | 2 units |
| 2. | Design (spring)
The organization of line, mass, space, volume, and color into patterns for surface decorations.
Prerequisite: Art 1.
Three one-hour periods per week. | 3 units |

* Not given 1942-43.

3. Art Appreciation (fall)**3 units**

A study of the development of art through the early historic periods and of schools in architecture, sculpture, painting, and minor arts up to the 20th century.

Three one-hour periods per week.

4. Graphic Expression (spring)**3 units**

A study of form and space in proportion and composition, expressed with line, value, and color.

Three two-hour periods per week.

6. Elementary Crafts (fall)**2 or 3 units**

Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft.

Two or three one-hour periods per week.

7. Puppetry (spring)**2 or 3 units**

Puppetry and its stagecraft.

Two or three one-hour periods per week.

8. Knitting Craft (fall, spring)**1-2 units**

Knitting as an art craft. Students learn to knit twenty or more patterns and to create patterns of their own. Each student knits a garment for herself and one for the Red Cross. Students provide their own materials.

One or two one-hour class periods and two or four hours of outside work per week.

15. Lettering (fall)**3 units**

Practice in the technique of lettering; use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm; study of the various types of letters.

Three one-hour periods per week.

20 or 120. Flower Arrangement (fall, spring)**1 unit**

Application of the basic principles of art to the arrangement of flowers.

One one-hour period per week.

UPPER DIVISION**102. Applied Design (spring)****3 units**

Advanced problems in original design, both structural and decorative, suitable for industrial uses; application of some of the designs to materials.

Prerequisite: Art 1 and Art 2.

Three one-hour periods per week.

104. Advanced Graphic Expression (spring) 1, 2, or 3 units

The student works in any medium he wishes and furnishes his own materials.

Prerequisite: Art 4.

Two, four, or six one-hour periods per week.

106. Advanced Crafts (fall) 1, 2, or 3 units

Plastic modeling and carving in wood, soap, and other media.

Prerequisite: Art 6 or its equivalent.

One, two, or three one-hour periods per week.

115A. Lettering (fall) 3 units

Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the college.

Three one-hour periods per week.

115B. Advanced Lettering (fall) 3 units

Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of books. Continuation of poster service for college activities.

Prerequisite: Art 15 or Art 115A.

Three one-hour periods per week.

120. Flower Arrangement (fall, spring) 1 unit

See Art 20.

190. Practicum in Art (fall, spring) 2 units

Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation and some participation in teaching. May be applied in satisfaction of major and minor requirements in Art.

Prerequisite: Art 1.

BIOLOGICAL AND PHYSICAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN BIOLOGICAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Biological Sciences -----	16
(See tabulation of major requirements on p. 60.)	
English	
1A-1B (Composition and Literature) -----	6
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Physical Education -----	4
2 (Hygiene) -----	2
Activities (one-half unit each semester) -----	2
Physical Sciences -----	8
Chemistry 1A (General Chemistry) -----	5
Physics 10 (Introduction to Modern Physics) -----	3
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6
Geog. 2 (Cultural and Regional Geography) -----	2

(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics or History 4A-4B plus six units of upper division History.)

UPPER DIVISION

Biological Sciences -----	24
(See tabulation of major requirements below.)	
Physical Science	
Chemistry 108 (Organic Chemistry) -----	3
Political Science	
151 (American Constitutional Government) -----	2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major. However, not more than 60 units of work in the Biological and Physical Sciences may apply towards the A.B. degree.

COURSE REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN BIOLOGICAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Biological Sciences, with these additional requirements:

- (a) Education (upper division)----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 39.

The total number of units required remains the same, i.e., 120.

TWO-YEAR TERMINAL CURRICULUM IN PHOTOGRAPHY

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 (Art Structure)-----	2	
Art 2 (Design) -----		2
Art 15 (Lettering)-----	3	
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Comp. and Lit.)-----	3	3
History 4A-4B (Western Civilization)-----	3	3
Orientation 1 -----	1	
Phys. Educ. 2 (Hygiene)-----		2
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 20 (Elementary Photography)-----		2
Elective -----		3
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Art 3 (Art Appreciation)-----	3	
Commerce 2A (Typewriting)-----	2	
Commerce 14A (Accounting)-----	3	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (General Physics Lectures)-----	3	3
Physics 21 (Advanced Photography)-----	2 or 3	
Physics 22 (Applied Photography)-----		2 or 3
Pol. Sci. 151 (American Constitutional Government)-----		2
Psychology 1 (General Psychology)-----		3
Speech 1A (Public Speaking)-----		3
Speech 25A (Dram. Workshop—Lighting)-----	2	
Elective -----		2
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$ -16 $\frac{1}{2}$

TWO-YEAR TERMINAL CURRICULUM IN WILDLIFE MANAGEMENT

This curriculum is designed to prepare students for work on private game farms and for work with the fish and game commissions of the State and Federal governments.

Since students seeking positions in wildlife management will be competing with college graduates who have a four-year A.B. or B.S. degree, it is strongly urged that students take the regular A.B. in Biological Sciences and elect the specialized courses in Wildlife Management.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1B (General Botany)-----		4
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Comp. and Lit.)-----	3	3
Orientation 1-----	1	
Phys. Educ. 2 (Hygiene)-----	2	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Wlf. Man. 10 (Conservation of Wildlife)-----	3	
Wlf. Man. 60 (Game Bird Management)-----		3
Zoology 1A-B (General Zoology)-----	4	4
Elective-----		2
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 (General Bacteriology)-----	4	
Botany 4 (Classification of Flowering Plants)-----		3
Botany 110B (Systematic Botany)-----		3
Economics 1A-1B (Principles of Econ.)-----	3	3
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Pol. Sci. 151 (American Constitutional Government)-----	2	
Speech 1A (Public Speaking)-----	3	
Wlf. Man. 53 (Hatchery Biology)-----		3
Wlf. Man. 62 (Diseases of Game Birds)-----	3	
Zoology 165 (Ornithology)-----		3
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Pre-Secondary Major in Biological Sciences</i>		<i>Junior High School Major in Biological Sciences</i>
Lower Division		
Botany 1A-1B-----	8 units	Biol. 10A-10B ----- 6 units
Zoology 1A-1B-----	8 units	Botany 4 ----- 3 units
Recommended electives:		Zoology 4 ----- 3 units
Bacteriology 1, Botany 4, Zoology 4, Geology 1A, Paleontology 1, Physiology 1, Anatomy 66.		
Upper Division	Emphasis must be on either Botany or Zoology—	12 units of U. D. Biology, Botany, or Zoology
	Botany emphasis	
Biol. 114-----	3 units	
Bot. 110A-110B-----	6 units	
At least 15 units chosen from—		
Biol. 101-----	3 units	
Biol. 103-----	2 or 3 units	
Biol. 199-----	1 to 3 units	
Bot. 101A-101B-----	6 units	
Bot. 105-----	3 units	
Bot. 107-----	3 units	
Bot. 114-----	3 units	
	Zoology emphasis	
Biol. 114-----	3 units	
Zool. 112-113-----	6 units	
At least 15 units chosen from—		
Biol. 101-----	3 units	
Biol. 103-----	2 or 3 units	
Biol. 199-----	1 to 3 units	
Zool. 104-----	3 units	
Zool. 160-----	3 units	
Zool. 165-----	3 units	
Total units required	40 units	24 units
<i>Biology Minor</i>		<i>Botany Minor</i>
		<i>Zoology Minor</i>
Lower Division	Biology 10A-10B-6 units	Botany 1A-1B-----8 units or Biology 10A-10B---6 units and Botany 4-----3 units
		Zoology 1A-1B---8 units or Biology 10A-10B-6 units and Zoology 4---3 units
Upper Division	6 units chosen from—	6 units chosen from—
Biology 101-----3 units	} 6 units chosen from— Any U. D. Botany course Biology 114-----3 units	Any U. D. Zoology course
Biology 114-----3 units		Biology 101-----3 units
Botany 114-----3 units		Biology 114-----3 units
Botany 107-----3 units		
Botany 110A-110B 6 units		
Zoology 165 -----3 units	The Biology minor is recommended for credential candidates but is not advised for students planning to transfer to or do graduate work at a university.	
Total units required	12 units	14 or 15 units
		14 or 15 units

DESCRIPTION OF COURSES

Biological Sciences

Bacteriology

1. General Bacteriology (fall)

4 units

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases.

Two one-hour lecture and two three-hour laboratory periods per week.

Biology

LOWER DIVISION

10A-10B. General Biology (year)

3-3 units

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life.

Two one-hour lecture periods and one three-hour laboratory period per week.

UPPER DIVISION

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

101. Marine Biology (summer session)

3 units

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

Fee, \$1.50.

***103. Micro-Technique (spring)**

2 or 3 units

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two or three three-hour periods per week.

114. Genetics (fall)

3 units

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

190. Natural Science in the Elementary School (fall)

2 units

Objectives, methods, and content of the elementary school science program.

Two one-hour periods per week.

* Not given 1942-43.

199. Special Problems (fall, spring)**1-3 units**

Open to majors in Biological Sciences. Student and problem to be approved by the department. Student carries on independent study and investigation in consultation with instructor assigned to him.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

LOWER DIVISION**1A-1B. General Botany** (year)**4-4 units**

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Field trips will be made to points near the College, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week.

4. Classification of Flowering Plants (spring)**3 units**

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 4.

***101A-101B. Mycology** (year)**3-3 units**

First semester: Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

Second semester: Basidiomycetes and fungi imperfecti.

One lecture and two three-hour laboratory periods per week.

***105. Plant Anatomy** (fall)**3 units**

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

* Not given 1942-43.

107. Plant Ecology (fall)*3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of native plants to this area.

Three one-hour periods per week.

110A-110B. Systematic Botany (year)**3-3 units**

First semester: A study of the forest trees and shrubs, with field identification, and a critical study of the characters and habits of gymnosperms.

Second semester: A study of representative orders of flowering plants; their habits, growth, structure, classification, and geographical distribution.

One one-hour lecture and two three-hour laboratory periods per week.

114. Advanced Ornamental Plants (spring)*3 units**

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods per week.

Physiology and Anatomy**1. Elementary Human Physiology (spring)****5 units**

A general introductory course on human physiology.

Three one-hour lecture and two three-hour laboratory periods per week.

66. Elementary Human Anatomy (fall)**3 units**

Demonstration and laboratory study of human dissections, models, and prepared microscopic slides. Designed particularly for nurses and Physical Education majors.

Prerequisite: Zoology 1A.

One one-hour lecture and two three-hour laboratory periods per week.

Wildlife Management**10. Conservation of Wildlife (fall)****3 units**

Conservation of fishes, birds, mammals, and the related associations of fields, forests, and waters. A survey of scientific methods applied to conservation. Field trips to conservation projects being undertaken in the immediate region.

Three one-hour periods per week.

* Not given 1942-43.

53. Hatchery Biology (spring)**3 units**

A study of the problems involved in the artificial propagation of fishes, with practical work on salmonoid fishes in the College hatchery.

Two one-hour periods per week and additional work in the hatchery.

60. Game Bird Management (spring)**3 units**

A review of artificial and seminatural methods of rearing upland game birds and water fowl. Quail and pheasant chicks obtained from the Bureau of State Game Farms will be reared to liberation age and released by students. Field trips to State Game Farms.

Three one-hour periods per week.

62. Diseases of Game Birds (fall)**3 units**

Three one-hour periods per week.

Zoology**LOWER DIVISION****1A-1B. General Zoology (year)****4-4 units**

First semester: An introduction to the facts and principles of animal biology with special reference to the structure, function, and evolution of animals.

Second semester: Structure and development of chordates, including the study of a mammal.

Two one-hour lecture and two three-hour laboratory periods per week.

4. Animal Classification (fall)**3 units**

Elementary classification and natural history of the common vertebrates and invertebrates; life histories and methods of conservation. Emphasis is on the animal life of the Humboldt bay region. Designed for teaching credential candidates who do not elect Zoology 1A.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 4.

104. Field Zoology (fall)**3 units**

Collection, identification, and preservation of common invertebrates and vertebrates of Humboldt Bay region. Discussion of ecological relationships. Each student works on an individual problem.

Two one-hour lecture and one three-hour laboratory periods per week.

112. Invertebrate Zoology (fall)*3 units**

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lecture and one three-hour laboratory period per week.

* Not given 1942-43.

***113. Vertebrate Zoology (spring) 3 units**

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification.

Two one-hour lecture and one three-hour laboratory periods per week.

160. Embryology (fall) 3 units

The maturation of egg and sperm; fertilization; and the early development of the amphibian, chick, and mammal.

Two one-hour lecture and one three-hour laboratory and demonstration periods per week.

165. Ornithology (spring) 3 units

A study of birds, which includes taxonomy, life histories, migration, habits, and special modifications. Identification of birds in field and laboratory.

Two one-hour lecture and one three-hour laboratory periods per week.

Physical Sciences

Chemistry

LOWER DIVISION

1A-1B. General Chemistry (year) 5-5 units

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure.

Prerequisites: High school chemistry or Chemistry 2, and at least two years of high school mathematics.

Three one-hour lecture and two three-hour laboratory periods per week.

2. Elementary Inorganic Chemistry (fall) 3 units

A general survey of inorganic chemistry for those who need only an elementary knowledge of the subject, such as nurses and majors in home economics, wildlife management, photography, etc. Lectures and demonstrations.

Two one-hour lecture periods and one two-hour laboratory-demonstration period per week.

UPPER DIVISION

108. Organic Chemistry Lectures (spring) 3 units

A survey of the carbon compounds.

Prerequisite: Chemistry 1A-1B or Chemistry 2.

Three one-hour lecture periods per week.

* Not given 1942-43.

- †109. **Organic Chemistry Laboratory** 3 units
 Study of the carbon compounds in the laboratory. Taken concurrently with or after Chemistry 108.
 Three three-hour laboratory periods per week.

Geology

- 1A. **General Geology** (fall) 3 units
 A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.
 Three one-hour periods per week and field trips.

Paleontology

1. **General Paleontology** (spring) 3 units
 The history and principles of the development of life on the earth. History of the development of man and his relation to vertebrate life.
 Three one-hour lecture periods per week.

Physics

- 1A-1B. **Physics** (year) 3-3 units
 First semester: The elementary principles of mechanics.
 Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.
 Prerequisites: Three years of high school mathematics, including trigonometry (which may be taken concurrently).
 Two one-hour lecture and one three-hour laboratory periods per week.

- †2A-2B. **General Physics Lectures** (year) 3-3 units
 A general survey of physics for non-engineering students. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.
 Three one-hour lecture, discussion, and demonstration periods per week.

- †3A-3B. **General Physics Laboratory** (year) 1-1 unit
 Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity. To accompany Physics 2A-2B.
 One three-hour laboratory period per week.

10. **Introduction to Modern Physics** (spring) 3 units
 A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour periods per week.

† Given if sufficient demand.

20. Elementary Photography (spring) 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

One one-hour lecture and one three-hour laboratory period per week.

21. Advanced Photography (fall, spring) 2 or 3 units

Qualified students undertake work along various specialized lines.

Prerequisite: Physics 20 and consent of the instructor.

Hours to be arranged.

22. Applied Photography (fall, spring) 2 or 3 units

Students are placed in commercial photographic studios where experience under actual working conditions may be secured.

Open to a limited number of specially qualified students.

Hours to be arranged.

†30. Elementary Meteorology (fall) 3 units

Absorption and distribution of solar energy; structure and dynamics of the atmosphere; and methods of recording and predicting the weather. Designed especially for students in aeronautics.

Three one-hour periods per week.

CIVIL ENGINEERING

See Mathematics and Philosophy. Division of Civil Engineering.

† Given if sufficient demand.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

FIRST THREE YEARS OF PRE-SECONDARY CURRICULUM IN BUSINESS EDUCATION

This curriculum is directed towards an A.B. degree with a major and Special Secondary Credential in Business Education. To complete the work for the degree and credential the student will have to transfer to another institution equipped to give the more advanced courses required in this curriculum.

FRESHMAN YEAR			
<i>First Semester</i>		<i>Second Semester</i>	
	<i>Units</i>		<i>Units</i>
Com. 2 (Typewriting)-----	2	Com. 2 (Typewriting)-----	2
Com. 5 (Business Machines)-----	2	Com. 14B (Accounting)-----	3
Com. 14A (Accounting)-----	3	Com. 21 (Business Math.)-----	3
Biol. 10A (General Biology)-----	3	Biol. 10B (General Biology)-----	3
Eng. 1A (Composition)-----	3	Eng. 1B (Comp. and Literature)-----	3
Geog. 2 (Cult. & Reg. Geog.)-----	2	Physical Education-----	$\frac{1}{2}$
Orientation 1-----	1	Speech 1A (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$		
	16 $\frac{1}{2}$		17 $\frac{1}{2}$

SOPHOMORE YEAR			
Com. 1A (Shorthand I)-----	5	Com. 1B (Shorthand II)-----	5
Art 15 (Lettering)-----	3	Econ. 1B (Principles of Econ.)-----	3
Econ. 1A (Principles of Econ.)-----	3	Psych. 1 (General Psychology)-----	3
Natural Science-----	4	Speech 1B (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$	Natural Science-----	4
		Physical Education-----	$\frac{1}{2}$
	15 $\frac{1}{2}$		18 $\frac{1}{2}$

JUNIOR YEAR			
Com. 40 (Business Law I)-----	3	Com. 41B (Bus. Corresp.)-----	3
Com. 50 (Salesmanship)-----	2	Com. 130 (Business Law II)-----	3
Econ. 40 (Elem. Stat. Methods)-----	3	Com. 134 (Marketing)-----	3
Econ. 113 (Econ.-Soc. Hist. U. S.)-----	3	Econ. 120 (Bus. Organization)-----	3
Econ. 135 (Money and Banking)-----	3	Educ. 110 (Educ. Psychology)-----	3
Phys. Ed. 2 (Hygiene)-----	2	Pol. Sci. 151 (Amer. Const. Govt.)-----	2
	16		17

State requirement: 1000 hours or six months of acceptable business experience.

CURRICULA IN COMMERCIAL TRAINING

The College offers three two-year terminal curricula in Commercial Training. (1) A thorough course in Secretarial Training prepares students for stenographic or secretarial positions. (2) Students seeking training in the essential skills and a knowledge of business may enroll in a General Business curriculum. (3) The Merchandising curriculum provides some degree of specialization for students wishing to enter that field of business.

The student electing any one of these curricula must complete a minimum of 60 semester units of college work and must maintain a scholarship average of C in order to receive the two-year diploma.¹

Course Requirements for Commercial Training Curricula

Suggested Sequence

FRESHMAN YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1A or 1B (Shorthand I or II)-----	5	--	--
Commerce 2A or 2B (Typewriting I or II)-----	2	2	2
Commerce 4 (Spelling)-----	1	1	1
Commerce 40 or 50 (Business Law or Salesmanship)---	3 or 2	3 or 2	3 or 2
Commerce 41A (Business English)-----	3	3	3
Orientation 1-----	1	1	1
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A (Public Speaking)-----	--	3	3
Elective-----	1 or 2	3 or 4	3 or 4
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1B or 1C (Shorthand II or III)-----	5	--	--
Commerce 2B or 2C (Typewriting II or III)-----	2	2	2
Commerce 5 (Business Machines)-----	--	2	2
Commerce 12 (Bookkeeping) or elective ¹ -----	3	3	3
Commerce 21 (Business Mathematics)-----	3	3	3
Commerce 41B (Business English)-----	3	3	3
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	--	3
Speech 1B (Public Speaking)-----	--	3	--
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ Commerce 5 recommended.

SOPHOMORE YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Art 15 (Lettering)-----	--	--	3
Commerce 1C or 1D (Shorthand III or IV)-----	5	--	--
Commerce 2C or 2D (Typewriting III or IV)-----	2	--	--
Commerce 14A (Accounting)-----	3	3	3
Commerce 50 or 40 (Salesmanship or Business Law I)---	2 or 3	2 or 3	2 or 3
Commerce 71 (Transcription)-----	2	--	--
Economics 1A (Principles of Economics)-----	--	3	3
Physical Education 2 (Hygiene)-----	--	--	2
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	3	--
Elective-----	1	5 or 4	3 or 2
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1D (Shorthand) or Electives-----	5	--	--
Commerce 2D or 5 (Typewriting IV or Business Machines)	2	--	--
Commerce 14B (Accounting)-----	3	3	3
Commerce 69 (Secretarial Training)-----	3	--	--
Commerce 130 or 134 (Business Law II or Marketing)---	--	3	3
Economics 1B (Principles of Economics)-----	--	3	3
English 1A (Composition)-----	3	--	--
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 (American Constitutional Gov't)---	--	--	2
Speech 1B (Public Speaking)-----	--	--	3
Electives-----	--	6	2
Totals-----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$
Total units required-----	60	60	60

Suggested electives: Commerce 4, 5, 12, 40, 50, 134; Economics 113; English 1A; Home Economics 3; Physical Education 2; Psychology 1; Speech 1A, 1B. Students who contemplate the possibility of transferring later to a four-year degree curriculum would do well to choose some electives in the biological and physical sciences.

MAJOR AND MINOR REQUIREMENTS

Liberal Arts Major in Economics and Business		Minor in Commerce	
Lower Division	See tabulation under Department of Social Sciences, p. 115	Commerce 40-----	3 units
	Includes	Additional L. D.	
	Commerce 14A-14B-----	Commerce-----	3 units
	Commerce 40-----		
Upper Division	See tabulation under Department of Social Sciences, p. 115	Commerce 130-----	3 units
	Includes	Commerce 134-----	3 units
	Commerce 130-----		
	Commerce 134-----		
Total units required	42 units		12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Shorthand I (fall, spring)**5 units**

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. Shorthand II (fall, spring)**5 units**

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Prerequisite: Commerce 1A or its equivalent.

Five one-hour periods per week.

1C. Shorthand III (fall, spring)**5 units**

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Prerequisite: Commerce 1B or its equivalent.

Five one-hour periods per week.

1D. Shorthand IV (fall, spring)**5 units**

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a Systematic Speed Course for Advanced Writers.

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

2A. Typewriting I (fall, spring)**2 units**

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time. Training is also given in the arrangement of typewritten material with special reference to commercial forms, tabulation and billing, specifications, legal forms, and preparation of manuscripts.

Six one-hour periods per week.

2B. Typewriting II (fall, spring)**2 units**

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Prerequisite: Commerce 2A or its equivalent.

Six one-hour periods per week.

2C. Typewriting III (fall, spring) 2 units

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.

Prerequisite: Commerce 2B or its equivalent.

Six one-hour periods per week.

2D. Typewriting IV (fall, spring) 2 units

Advanced drills for accuracy and speed; law office typing; actual secretarial practice, including work with the dictaphone.

Prerequisite: Commerce 2C or its equivalent.

Six one-hour periods per week.

4. Spelling (fall) 1 unit

A study of words used in business and industry with special drill on those commonly misspelled.

Two one-hour periods per week.

5A,B. Business Machines (fall, spring) 2 units

An intensive study of modern office machinery, including adding and calculating machines, banking and bookkeeping machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.

Six one-hour periods per week.

12. Bookkeeping (spring) 3 units

An introductory course in present-day theory and practice. Designed for those students with an employment objective who desire practical training in bookkeeping.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

First semester: An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Second semester: A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, nonprofit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspects of accounting.

Prerequisite: Commerce 12 or its equivalent.

Three one-hour periods per week.

21. Business Mathematics (spring) 3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. Business Law I (fall) 3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. Business English and Correspondence (year) 3-3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

***50. Salesmanship (fall) 2 units**

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

69. Secretarial Training (spring) 3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances.

Prerequisite: Commerce 2B and 41A-41B.

Nine one-hour periods per week.

71. Shorthand Transcription (fall) 2 units

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Prerequisite: Commerce 1C or its equivalent.

Six one-hour periods per week.

UPPER DIVISION

130. Business Law II (spring) 3 units

Civil Code of California; corporation law; law of personal and real property, carriers, trademarks, copyrights, bailments; and law of bankruptcy. Textbook, cases, and lectures.

Prerequisite: Commerce 40.

Three one-hour periods per week.

***134. Marketing (spring) 3 units**

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Prerequisite: Upper division status.

Three one-hour periods per week.

EDUCATION AND TEACHER TRAINING

REQUIREMENTS FOR THE A.B. DEGREE WITH A CREDENTIAL

Credential curricula offered. The College offers curricula leading to the General Elementary Credential, the General Elementary and General Junior High School Credentials together, the Kindergarten-Primary and General Elementary Credentials together, and the Special Secondary Credential in Physical Education, either alone or in conjunction with one of the others. Ordinarily neither the Kindergarten-Primary curriculum nor the General Junior High School curriculum is offered independently of the General Elementary curriculum, for either credential by itself is not practical in the northwestern part of the State.

Units required. For the A.B. degree with one credential 120 units are required. Not more than 40 units in Education or any one subject field may be applied toward a credential. For each additional credential 12 more units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in nonprofessional fields of study.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is 24 units completed at this College. Of these 24 units not more than 12 may be taken in the extension division of the College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Fundamentals. All candidates for a credential are required to show an everyday working knowledge of the fundamental subjects in the elementary school curriculum—

English grammar, arithmetic, history, geography, and spelling. Standardized tests in these subjects are given in the class in Curriculum Activities (Education 133). A satisfactory score in these achievement tests is prerequisite to Education 320, 321, 322, and 323.

Majors and minors. Candidates for all teaching credentials must complete a major in Education. In addition, candidates for the General Elementary Credential and the General Elementary and Kindergarten-Primary Credentials together must complete two minors. Candidates for the Special Credential in Physical Education, whether alone or in conjunction with another, must also complete two minors; it is recommended that one of them be Zoology. Candidates for the Junior High School Credential, alone or in conjunction, must complete one teaching major and one minor. The list of available majors and minors is found on pages 40-41.

Scholarship. In addition to the requirement of a scholarship average of C for graduation with the A.B. degree, the College requires that candidates for a teaching credential maintain (a) a general scholarship average of C before enrolling in Education 133, 134, 192, 310, 320, 321, 322, 323; and (b) an average of C in all courses taken in Education, i.e., in the major in Education. Candidates for the General Junior High School Credential must maintain an average of C also in the teaching major and minor.

In their student teaching candidates must do satisfactory work, i.e., equivalent to a grade of "C" or better. If a student teacher falls short of the required standards, he or she will be given an Incomplete and allowed another semester's trial. If the second semester's work is unsatisfactory, it may be assumed that the candidate lacks the requisite qualities for successful teaching. However, every effort is made to ascertain whether or not a candidate possesses these qualities before allowing him to undertake student teaching. Only a grade of + or F is given for student teaching; no letter grades are given. The units of the student teaching courses do not figure in the calculation of the candidate's scholarship index.

Student teaching. Before being permitted to undertake student teaching a candidate for a teaching credential must have given evidence of (a) an adequate knowledge of the fundamentals, (b) the personal qualities essential to success and desirable in a teacher, and (c) physical fitness.

Student teaching offers a highly profitable experience to the prospective teacher. In order to increase his or her chances for success and to minimize possible discouragement the student is brought gradually to his classroom responsibilities. In the preparatory courses in Education an attempt is made wherever possible to relate theory to the schoolroom activities, with the College Elementary School as the laboratory. This is especially true in Introduction to Education, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. The prospective teacher is enabled thereby, before undertaking supervised teaching in the Elementary School, to familiarize himself with classroom conditions, procedures, and activities, with the books and materials of the classroom, and with the habits and learning processes of children. Then, in either semester of the senior year, preferably the first, the prospective teacher teaches under trained supervisors for three hours a day. Nine weeks is spent teaching a lower grade and nine weeks an upper grade.

Concurrently with or in the semester following student teaching the prospective teacher takes Philosophy of Education, in which an effort is made to help the student formulate for himself a philosophy and ideals of education, especially in the light of the American democratic tradition.

Required courses. The courses required for the several credentials are listed, in the order of recommended sequence, in the following table:

Course Requirements for A.B. Degree with Teaching Credential

The sequence of required courses listed on the following pages is not inflexible, but is suggested as the one which eliminates program conflicts. Courses which are offered both semesters may be taken out of sequence without creating serious program conflicts. *Courses offered only once during the year should be taken in the semester recommended in the sequence.*

FRESHMAN YEAR

First Semester

Subjects	Units			
	Gen. Elem. and Gen. Elem. and		Kinder.-Prim.	Special P.E.
	Gen. Elem.	Gen. Jr. H.S.		
Biology 10A ¹ -----	3	3	3	--
English 1A* -----	3	3	3	3
History 4A -----	3	3	3	3
Orientation 1 -----	1	1	1	1
Orientation 2 -----	1	1	1	1
Phys. Educ. 2 -----	2	2	2	2
Phys. Educ. 5 or 15 -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Zoology 1A -----	--	--	--	4
Elective -----	2	2	2	2
	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem. and Gen. Elem. and		Kinder.-Prim.	Special P.E.
	Gen. Elem.	Gen. Jr. H.S.		
Art 1 -----	--	--	--	2
Biology 10B ¹ -----	3	3	3	--
English 1B -----	3	3	3	3
History 4B -----	3	3	3	3
Music 10* -----	3	3	3	3
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physiology 1 -----	--	--	--	5
Speech 1A -----	3	3	3	3
Elective -----	3	3	3	3
Totals -----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	17

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Anatomy 66-----	--	--	--	3
Art 1-----	2	2	2	--
Economics 1A-----	3	3	3	3
Geology 1A ² -----	3	3 ³	3	--
Music 10*-----	--	--	--	3
Music 60A-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	--
Phys. Educ. Activity-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. 26A-----	--	--	--	$\frac{1}{2}$
Minor-----	3	3	3	3
Elective-----	3	3 (or Major)	3	3
Totals-----	15	15	15	16

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Economics 1B-----	3	3	3	3
Geography 2*-----	--	--	--	2
Psychology 1-----	3	3	3	3
Phys. Educ. Activity-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physics 10*-----	3	3 ³	3	3
Speech 1A-----	3	3	3	--
Elective or Minor-----	3	3 (or Major)	3	3
Music Examination-----	--	--	See Adviser	--
Totals-----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Industrial Education 15-----	--	--	2 or 3	--
Elective or Minor or Major-----	--	6	4 or 3	--
Totals-----	--	6	6	--

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

² Botany minors substitute Zoology 4 and Zoology minors Botany 4 for Geology 1A.

³ Home Economics majors substitute Chemistry 2 for Geology 1A or Physics 10.

JUNIOR YEAR
First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 100-----	3	3	3	--
Education 110-----	3	3	3	3
Education 111-----	--	--	3	--
Education 192-----	--	--	3	--
Geography 2*-----	2	2	2	--
Industrial Education 15 or 51-----	3	3	--	3
Mathematics 20*-----	2	2	2	--
Phys. Educ. 175-----	--	--	--	3
Phys. Educ. 176-----	--	--	--	2
Phys. Educ. 190B-----	1	1	1	1
Phys. Educ. 192A or 193A-----	--	--	--	2
Elective or Minor-----	3	3 (or Major)	--	3
Fundamentals-----	0	0	0	0
Totals-----	17	17	17	17

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 190-----	2	2	2	--
Education 100-----	--	--	--	3
Education 111-----	3	3	--	--
Education 133-----	2	2	2	--
Education 134-----	2	2	2	--
Education 310-----	1	1	1	--
Music 190-----	2	2	2	--
Phys. Educ. Activity-----	--	--	--	3
Phys. Educ. 192B or 193B-----	--	--	--	2
Phys. Educ. 199-----	2	2	2	2
Elective or Minor-----	3	3 (or Major)	6	9
Totals-----	17	17	17	16½

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art in the Kindergarten-Primary Grades ¹ -----	--	--	2	--
Literature and Story-Telling in the Kindergarten-Primary Grades ¹ -----	--	--	2	--
Rhythms and Games in the Kindergarten-Primary Grades ¹ -----	--	--	2	--
Elective or Minor or Major-----	--	6	--	--
Totals-----	--	6	6	--

* Subject requirement may be satisfied by examination; no unit credit.

¹ Candidates for the Kindergarten-Primary Credential will have to take these courses at some other institution, equipped to offer them.

SENIOR YEAR
First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 190 ² -----	2	2	2	--
Education 320 ³ -----	8	8	8	--
Education 322-----	--	--	--	2
Phys. Educ. Activity-----	--	--	--	$\frac{3}{2}$
Phys. Educ. 151-----	--	--	--	2
Political Science 151-----	--	--	--	2
Elective or Minor-----	3	3	3	7
Totals-----	13	13	13	13 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 111-----	--	--	--	3
Education 124-----	3	3	3	3
Education 137-----	2	2	2	--
Education 170-----	--	2	--	--
Education 321-----	--	--	6	--
Education 323-----	--	--	--	2 or 4
Phys. Educ. Activity-----	--	--	--	$\frac{3}{2}$
Phys. Educ. 152-----	--	--	--	2
Phys. Educ. 198-----	--	--	--	2
Political Science 151-----	2	2	2	--
Elective or Minor-----	8	3	2	2
Major -----	--	3	--	--
Totals-----	15	15	15	14 $\frac{1}{2}$ -16 $\frac{1}{2}$
Total Required Units-----	120	132	132	120

² Majors and minors in Biological Sciences are not exempted from this required course.

³ Students combining the Special P. E. Credential with one of the general credentials should take Education 320 for 6 units.

In those rare cases when a student is permitted to work for the Junior High School Credential alone, he will follow the same course as outlined in the pattern for the General Elementary and Junior High School Credentials, less Education 137 and 10 elective units.

If the Special Physical Education Credential in conjunction with either the General Elementary or General Elementary-Junior High School Credential is desired, the requirements peculiar to the Special Physical Education Credential are added to the requirements common to it and its accompanying credential, the total units required for the two credentials being 132.

MAJOR REQUIREMENTS

ALL UPPER DIVISION

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 100-----	3 units	Ed. 133-----	2 units
Ed. 110-----	3 units	Ed. 134-----	2 units
Ed. 124-----	3 units	Ed. 310-----	1 unit
		Ed. 320-----	8 units

Additional requirements for specific credentials are as follows:

General Elementary		General Junior High School		Kindergarten-Primary	
Ed. 111-----	3 units			Ed. 111-----	3 units
Ed. 137-----	2 units			Ed. 137-----	2 units
		Ed. 170-----	2 units		
				Ed. 192-----	3 units
				Ed. 193-----	2 units
				Ed. 194-----	2 units
				Ed. 195-----	2 units
				Ed. 321-----	6 units

Total units required

For General Elementary alone-----	27 units
For General Junior High School (rarely given alone)-----	24 units
For General Elementary-Junior High School-----	29 units
For General Elementary-Kindergarten-Primary-----	42 units
For Special Secondary in Physical Education-----	16 to 18 units

DESCRIPTION OF COURSES

Education

UPPER DIVISION

100. Introduction to Education (fall, spring) 3 units

The history and development of the American system of public and private education. Special attention to the contemporary issues and problems confronting public education.

Three one-hour periods per week.

110. Educational Psychology (fall, spring) 3 units

The principles derived from a study of human behavior as applied to teaching and classroom problems. Measurements, evaluation, and the factors influencing learning are stressed throughout the course.

Three one-hour periods per week.

111. Growth and Development of the Child (fall, spring) 3 units

Interrelation of the physical, social, intellectual, and emotional development of a child from prenatal stage to late adolescence. Method of study involves directed observation of children at home, in school, and in play groups; writing of case studies; use of library; and classroom discussion.

Two one-hour class periods and two hours of observation per week.

124. Philosophy of Education (fall, spring) **3 units**

The major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

133. Curriculum Activities¹ (fall, spring) **2 units**

This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.

Taken in conjunction with Education 134 and 310.

Two one-hour periods per week.

134. Reading in the Elementary School¹ (fall, spring) **2 units**

Provides the prospective teacher with definite activities for the teaching of reading in the modern elementary school.

Taken in conjunction with Education 133 and 310.

One two-hour period per week.

137. Rural Education (fall, spring) **2 units**

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Prerequisite: Education 100.

Two one-hour periods per week.

170. Principles of Secondary Education (spring) **2 units**

The philosophy, objectives, principles, organization, administration, and functioning of public schools for grades seven through fourteen. Special attention to adolescent psychology and the problems of teaching pupils in the adolescent period.

Prerequisite: Education 100 or consent of the instructor.

Two one-hour periods per week.

186. Personal and Professional Adjustment of the Teacher (spring) **2 units**

This course is planned primarily for seniors doing their last semester of work. It includes a consideration of the following: legal aspects of teaching, adjustment of the teacher to the social environment, professional ethics, educational organizations, contemporary educational problems, securing a job, professional growth, and hygiene of the teacher.

Two one-hour periods per week.

192. Curriculum for the Kindergarten-Primary Grades¹ (fall) **3 units**

A study of the curriculum, materials and teaching techniques in the Kindergarten-Primary grades. Observation of children and lessons taught for demonstration.

Two one-hour periods and one one-hour observation period per week.

¹ See Scholarship Requirements, p. 75.

310. Teaching I² (fall, spring) **1 unit**

Observation and participation in classroom procedures; guidance of the growth and development of individuals and groups.

Taken in conjunction with Education 133 and 134.

Two one-hour periods per week.

320. Teaching II² (fall, spring) **8 units**

Students teach in grades one to eight in the College Elementary School fifteen hours per week for one semester for the Elementary or Junior High Credential.

321. Kindergarten-Primary Teaching² (fall, spring) **6 units**

Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary Credential.

322. Elementary Physical Education Teaching² (fall, spring) **2 units**

Students teach physical education daily in grades three to eight in the College Elementary School.

323. Secondary Physical Education Teaching² (fall, spring) **2 or 4 units**

Students teach physical education daily one or two hours in a local secondary school.

Prerequisite: Education 322.

324. College Physical Education Teaching (fall, spring) **1 or 2 units**

Students assist in college physical education activity classes.

Prerequisites: Education 322 or 323 and recommendation of the Department of Physical Education.

Two one-hour periods per week.

330. Teaching III (fall, spring) **2 or 3 units**

This course provides an opportunity for students of exceptional ability to do advanced teaching which may include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

†388. Principles and Objectives of Scouting and Other Types of Boys' Work (fall) **2 units**

History of boys' work; the basic principles and conceptions of the movement; the organization of such a program in a community; requirements for adult leadership; summer camps, etc. This course will include practice in laboratory field work.

Two one-hour periods per week.

†389. Camp Fire Leaders' Training Course (spring) **1 unit**

A course designed to interest and provide preliminary instruction in camp fire leadership and other types of girls' work. It will include theory as well as practical technique.

One one-hour period per week.

² See Scholarship and Fundamentals Requirements, pp. 74-75.

† Given if sufficient demand.

Psychology

1. General Psychology (fall, spring) 3 units

A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

3. Applied Psychology (fall) 3 units

Survey of the areas in which the general principles of psychology are applied, such as medicine, advertising, salesmanship, religion, business and personal relations. Course begins with a short survey of general principles; remainder of semester is devoted to independent supervised study of particular fields of application of student's own choice.

Prerequisite: Consent of the instructor; Psychology 1 recommended.

ENGLISH

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ENGLISH

LOWER DIVISION

	<i>Units</i>
English -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Philosophy	
Year course -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
History 4A-4B (History of Western Civilization) -----	6
Additional Social Science -----	8

UPPER DIVISION

English -----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government) -----	2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN ENGLISH

The requirements for this degree are the same as those for the liberal arts A.B. degree in English, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 39.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Recommended: Eng. 56A-56B.
Upper Division-----	Eng. 117-----3 units Eng. 151-----3 units Additional U. D. English-----18 units	12 units U. D. English. Recommended: Eng. 101-----3 units Eng. 115-----3 units Eng. 117-----3 units Eng. 130A-----3 units	6 units U. D. English. Recommended: Eng. 115-----3 units Eng. 130A-----3 units
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

- 1A. English Composition** (fall, spring) **3 units**
Designed to meet student needs in writing. Special emphasis on exposition, grammar, spelling, and punctuation.
Three one-hour periods per week.
- 1B. English Composition and Literature** (fall, spring) **3 units**
Emphasis on reading and an introduction to literature, with a continuation of written composition.
Prerequisite: English 1A.
Three one-hour periods per week.
- 20. Choric Reading** (spring) **1 unit**
Oral interpretation of literature.
One one-hour period per week.
- 50. Directed Reading** (fall) **1 unit**
Emphasis on literary appreciation. Student maps own reading chart and covers what he considers vital to his growth. Lectures to acquaint students with aspects of literature.
One one-hour period per week.
- 56A. Survey of English Literature** (fall) **3 units**
The beginning of English literature and the main aspect of its development down to the Restoration (1660).
Prerequisite: English 1B.
Three one-hour periods per week.
- 56B. Survey of English Literature** (spring) **3 units**
The leading movements in the development of English literature from the Restoration (1660).
Three one-hour periods per week.

60. News Writing (fall, spring) 3 units

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Prerequisite: English 1A or consent of the instructor.

Three one-hour periods per week.

61. News Reporting (fall, spring) 1, 2, or 3 units

Prerequisite: English 60.

Three one-hour periods per week.

70. Children's Literature (fall) 3 units

A survey course intended to give an understanding and appreciation of the best literature for children of all ages. Books by notable contemporary authors and artists are read and discussed as well as traditional and classical literature. Attention is given to reading guidance and the stimulation of wider use of books for study and recreation. Recommended for candidates for the Kindergarten-Primary and the General Elementary Credentials.

Three one-hour periods per week.

UPPER DIVISION

English 1A-1B is prerequisite to all upper division courses in English.

101. Advanced Composition (fall) 3 units

Recommended for those taking the junior high school major in English.

Three one-hour periods per week.

105. Creative Writing (fall, spring) 3 units

Three one-hour periods per week.

112. Phonetics (fall) 3 units

See Speech 112.

***115. The English Language (spring) 3 units**

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. Shakespeare (spring) 3 units

An intensive study of a few of Shakespeare's plays and a rapid reading of some others.

Three one-hour periods per week.

***125C. The Novel (fall) 3 units**

Students read and study the novel, its origin, its development as a literary form in various countries. Two or three distinguished novels will be studied by the class. Others will be read and reported on by the students.

Three one-hour periods per week.

***130A. American Literature (fall) 3 units**

A study of the important writers of the nineteenth century in the United States with a brief survey of the literature of the Colonial and Revolutionary periods and of the contemporary period. It seeks to discover distinctively American contributions to world literature.

Three one-hour periods per week.

140. Victorian Literature (spring) 3 units

Study of Victorian trends in literature, with emphasis on their relation to contemporary life and literature.

Three one-hour periods per week.

The following courses will be offered over a period of two years if necessary, the needs of the students enrolling in upper division English to determine just which courses will be given.

151. Chaucer. 3 units

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

156. The Age of Elizabeth 3 units

Prose and poetry, exclusive of the drama.

157. The Age of Swift and Pope 3 units**158. The Romantic Period 3 units**

* Not given 1942-43.

DIVISION OF SPEECH AND DRAMATICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SPEECH AND DRAMATICS

LOWER DIVISION

	<i>Units</i>
Speech -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
English -----	12
1A-1B (Composition and Literature) -----	6
56A-56B (Survey of English Literature) -----	6
Foreign language -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of this requirement may be satisfied by upper division courses.)	
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Physical Education	
Activities (to include approved courses in dancing) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6
Geog. 2 (Cultural and Regional Geography) -----	2
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics, or History 4A-4B plus six units of upper division History.)	

UPPER DIVISION

Speech -----	18
(See tabulation of major requirements on next page.)	
English -----	6
(Consult Division of Speech concerning choice of courses.)	
Education -----	6
Political Science	
151 (American Constitutional Government) -----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SPEECH AND DRAMATICS

The requirements for this degree are the same as those for the liberal arts A.B. degree in Speech and Dramatics, with these additional requirements:

- (a) One of the minors must be completed in a subject field taught in high school.
- (b) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 39.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Speech 1A-1B__6 units 6 units chosen from: Speech 2A-2B__6 units Speech 10____3 units Speech 17____3 units Speech 25__1 to 4 units	Speech 1A____3 units Speech 2A____3 units 6 units chosen from: Speech 1B____3 units Speech 2B____3 units Speech 10____3 units Speech 17____3 units Speech 25__1 to 6 units Speech 80__1 or 2 units	6 units of L. D. Speech
Upper Division-----	Speech 112____3 units Speech 120A__3 units Speech 155A- 155B____6 units Speech 117, 180, 181 (two courses) 6 units English _____6 units (To be chosen in con- sultation with Di- vision of Speech.)	Speech 102____3 units Speech 155A__3 units Speech 117, 180, 181 (two courses) 6 units	6 units of U. D. Speech
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Public Speaking (fall, spring) 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

*1B. Public Speaking (spring) 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice in extemporaneous speaking.

Prerequisite: Speech 1A.

Three one-hour periods per week.

* Not given 1942-43.

2A. Expression and Interpretation (fall, spring) **3 units**

A basic course in voice training and in the art of oral interpretation. Oral interpretation of poetry, short stories, and dramatic scenes from the standpoint of both emotional and intellectual reaction.

Three one-hour periods per week.

2B. Expression and Interpretation (spring) **3 units**

Continuation of Speech 2A but with particular attention to the specific needs and abilities of the individual student, which determine his activities in class. Particular attention is given to the needs of prospective teachers with respect to reading aloud in the classroom.

Prerequisite: Speech 2A.

Three one-hour periods per week.

10. Technique of Acting (fall) **3 units**

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Two two-hour periods per week.

17. Radio Production (fall, spring) **3 units**

Study of and practice in the fundamentals and techniques of radio production and radio speech. Each student will participate in diversified radio presentations given in the studio of the local radio station.

Two one-hour class periods and one two-hour laboratory period per week.

25A, B, C, D. Dramatic Workshop (fall, spring) **1 or 2 units**

A laboratory course in acting and in the technical practices of the stage, including construction of sets, stage lighting, theatrical costume and make-up. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance.

Three two-hour periods per week.

80. Speech Clinic (fall, spring) **1 unit**

Individual instruction for students having minor disturbances of voice or speech as well as those having more serious disorders. Consent of the instructor must be obtained for enrollment.

Two half-hour periods per week.

UPPER DIVISION**112. Phonetics** (fall) **3 units**

Principles of phonetics; pronunciation, based on contemporary American usage; phonetic analysis applied to speech improvement.

Three one-hour periods per week.

117. Advanced Radio Production (fall, spring) **3 units**

A continuation of Speech 17, with opportunity for each student to center his activities in one or more of the following fields of radio: speech, dramatic production, writing, advertising, organization.

Two one-hour class periods and one two-hour laboratory period per week.

120A. Advanced Dramatics (fall, spring) 3 units

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Two two-hour periods per week.

125A, B, C, D. Advanced Dramatic Workshop (fall, spring) 1 or 2 units

A course of the same character as Speech 25 for advanced students. Prerequisite: Speech 1A-1B or consent of the instructor.

Three two-hour periods per week.

155A. Play Production (fall) 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. Play Production (spring) 3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

180. Speech Correction (fall) 3 units

The classification, diagnosis, and treatment of speech defects. Theory supplemented by demonstrations and supervised practical work with children and adults in the speech clinic. Intended particularly for training prospective teachers to recognize and correct speech defects of elementary school children.

Three one-hour class periods and one one-hour laboratory period per week.

181. Directed Study in Speech Problems (fall, spring) 1-3 units

Student assists in speech training. Consent of instructor required for enrollment.

Hours to be arranged with the instructor.

HOME ECONOMICS

MAJOR AND MINOR REQUIREMENTS

<i>Junior High School Major in Home Economics</i>		<i>Home Economics Minor</i>
Lower Division	Home Econ. 1----- 3 units Home Econ. 3----- 3 units Home Econ. 11----- 3 units Home Econ. 20----- 3 units	6 units of L. D. Home Economics
Upper Division	12 units chosen from— Home Econ. 101----- 3 units Home Econ. 122----- 3 units Home Econ. 130----- 3 units Home Econ. 160----- 3 units Home Econ. 190----- 3 units	6 units of U. D. Home Economics
Total units required	24 units	

A liberal arts group major which includes Home Economics may be arranged in consultation with the student's advisor and the Registrar's office. See page 38.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Clothing Construction (fall) 3 units

Laboratory work directed toward the development of good technique in clothing construction processes; use of sewing machine and hand stitches; selection and alteration of commercial patterns; correct fitting methods; use of cotton, linen, and rayon fabrics in making garments.

One one-hour lecture and two three-hour laboratory periods per week.

3. Clothing Design and Textiles (spring) 3 units

A study of clothing as an expression of personality and good taste in dress, with a study of the elements of design and color as related to the selection of clothing. Individual color types and figure problems considered. Emphasis on clothing budgets and buying problems.

Three one-hour periods per week.

11. Hostess Training and Foods (fall) 3 units

The planning, preparation, and serving of meals for various occasions; types of meal service and etiquette involved.

Two one-hour lecture and one three-hour laboratory periods per week.

20. Elementary Nutrition and Foods (spring) 3 units

A study of elementary nutrition with practice in food preparation and menu planning. Special emphasis on selection of foods for individuals and families.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

101. Advanced Clothing and Textiles (fall) 3 units

Laboratory practice in clothing construction and design with emphasis on children's clothing; study of consumer problems in selection of clothing, textiles, and household furnishings.

Prerequisite: Home Economics 1.

Two one-hour lecture and one three-hour laboratory periods per week.

122. Nutrition Work with Children (spring) 3 units

The nutritional needs of children of pre-school and school age; methods of judging good and poor nutrition in children; causes and prevention of malnutrition; formation of desirable food habits; problems of the school lunchroom.

Prerequisite: Home Economics 20.

Three one-hour periods per week.

130. Household Administration (spring) 3 units

A study of the modern family and its housing needs, emphasizing standards and selection of equipment and furnishings, their arrangement and care; management factors with respect to household tasks, home ownership, and finances. Open to all students.

Three one-hour periods per week.

160. Social and Economic Problems of the Family (fall) 3 units

A study of the family as an institution and the social and economic conditions affecting American family life. Open to all students.

Three one-hour periods per week.

190. Homemaking Problems in the Elementary School (fall, spring) 2 or 3 units

Designed to acquaint the prospective elementary school teacher majoring in Home Economics with homemaking procedures that can be adapted for use in the elementary grades in correlation with a given unit of work. Not applicable to a minor in Home Economics, but recommended to those minoring in Home Economics as an elective.

One lecture period per week, with classroom demonstrations.

INDUSTRIAL EDUCATION

MAJOR AND MINOR REQUIREMENTS

Junior High School Major in Industrial Education

Lower Division	Ind. Educ. 7A-----	2 units
	Ind. Educ. 51*-----	3 units
	Additional L. D.	
	Ind. Educ. -----	7 units
Upper Division	Ind. Educ. 101-----	3 units
	Ind. Educ. 130-----	2 units
	Additional U. D.	
	Ind. Educ. -----	7 units
Total units required		24 units

A liberal arts group major which includes Industrial Education may be arranged in consultation with the student's advisor and the Registrar's office. See page 38.

Minors in Industrial Education

General Elementary

Junior High School and Pre-Secondary

Lower Division	Ind. Educ. 15 or 51*-----	3 units	Ind. Educ. 7A-----	2 units
	3 or more units chosen from—		Ind. Educ. 51*-----	3 units
	Ind. Educ. 5-----	2 or 3 units	4 or more units chosen from—	
	Ind. Educ. 6-----	2 units	Ind. Educ. 5-----	2 or 3 units
	Ind. Educ. 7A-----	2 units	Ind. Educ. 12-----	3 units
	Ind. Educ. 12-----	3 units	Ind. Educ. 13-----	2 or 3 units
	Ind. Educ. 51-----	3 units	Ind. Educ. 15-----	3 units
Upper Division	Art 6-----	2 or 3 units	Art 6-----	2 or 3 units
	Ind. Educ. 191-----	2 units	Ind. Educ. 130-----	2 units
	4 or more units chosen from—		Ind. Educ. 191-----	2 units
	Ind. Educ. 101-----	2 or 3 units	5 or more units chosen from—	
	Ind. Educ. 105-----	2 units	Ind. Educ. 101-----	2 or 3 units
	Ind. Educ. 112-----	2 or 3 units	Ind. Educ. 103-----	2 or 3 units
	Ind. Educ. 123-----	3 units	Ind. Educ. 105-----	2 units
	Ind. Educ. 124-----	2 or 3 units	Ind. Educ. 112-----	2 or 3 units
Total units required	Ind. Educ. 130-----	2 units	Ind. Educ. 125-----	3 units
		12 units		18 units

* Industrial Education 51 will be waived as a subject requirement for students who have had two years of high school manual training.

DESCRIPTION OF COURSES

LOWER DIVISION

5. Pottery (fall) 2 or 3 units

A course in an interesting and age-old industry. Designing, casting, throwing, modeling, glazing, and firing.

Two or three three-hour periods per week.

6. Cement and Concrete Work (spring) 2 units

Theory and practical application of concrete work, including ornamental cement.

Two three-hour periods per week.

7A. Mechanical Drawing (fall, spring) 2 units

A fundamental course in mechanical drawing which covers orthographic, isometric, and cabinet projections, intersection of solids, sections, screws and threads, cams, blue prints, etc.

Three two-hour periods per week.

7B. Advanced Mechanical Drawing (fall) 2 units

An advanced course in mechanical drawing intended primarily for students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Prerequisite: Industrial Education 7A or its equivalent in high school.

Three two-hour periods per week.

12. Metal Arts (spring) 3 units

The application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. Architectural Drafting (spring) 2 or 3 units

A beginning course in the fundamentals of house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in mechanical drawing either in high school or college is advisable as background.

Two or three three-hour periods per week.

15. Rural School Handwork and Toyecraft (fall, spring) 3 units

A course in the use of native materials and waste products applicable to the elementary grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the kinds of work done. Required of all women candidates for a credential.

Three one-hour class periods and six hours of outside work per week.

51. Fundamentals of Industrial Education (fall, spring) 3 units

The fundamentals of industrial education in terms of teaching industrial arts in the elementary grades. Covers methods, courses of study, construction of objects of the elementary grades level, and care and use of equipment. Required of all men candidates for a teaching credential.

Three three-hour periods per week.

UPPER DIVISION**101. Advanced Woodworking (spring) 2 or 3 units**

Building of boats, airplane gliders, and large pieces of similar nature.

Prerequisite: Industrial Education 51 or its equivalent.

Two or three three-hour periods per week.

103. The Art of House Design (fall) 2 or 3 units

A thorough-going study of home planning and building in which an entire house is planned in structure and furnishings.

Prerequisite: Industrial Education 13.

Two or three three-hour periods per week.

105. Advanced Pottery (fall)

2 units

Study of the problems involved in pottery making, from the standpoint of both teaching and business. Designing, decorating, throwing, packing, firing of the kiln are a few of the subjects studied.

Prerequisite: Industrial Education 5.

Two three-hour periods per week.

112. Advanced Metal Arts (spring)

2 or 3 units

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, and other metals.

Prerequisite: Industrial Education 12.

Two or three three-hour periods per week.

†113. Machine Shop Practice

2 units

The use and operation of the common machines, with practical application to everyday life.

Prerequisite: Upper division status or consent of the instructor.

Two three-hour periods per week.

123. Pattern Making and the Theory of Foundry Practice (fall)

3 units

A study in the basic principles of foundry practice and pattern-making. The construction of simple patterns, and casting in softer metals.

Prerequisite: Industrial Education 51 or its equivalent.

Three three-hour periods per week.

124. Advanced Cabinet and Other Wood Construction (fall)

2 or 3 units

Advanced course in woodwork designed for students interested in teaching or in problems of advanced construction.

Prerequisite: Industrial Education 101.

Two or three three-hour periods per week.

125. Carpentry (spring)

3 units

A study of house construction in which houses in miniature are built to illustrate construction problems. Recommended as a suitable course to follow Industrial Education 103.

Prerequisite: Industrial Education 51 or its equivalent.

Three three-hour periods per week.

130. Industrial Arts Design (spring)

2 units

Theory and practice in the designing of objects in the industrial arts and their decoration.

Prerequisite: Industrial Education 7A.

Two one-hour lecture and two two-hour laboratory periods per week.

***191. Management of School Shops (spring)**

2 units

A course in the objectives, methods, and content of shop programs for the grade schools. Intended for students majoring in Industrial Education.

Prerequisite: Industrial Education 51 and upper division status.

Two one-hour periods per week.

† Given if sufficient demand.

* Not given 1942-43.

MATHEMATICS AND PHILOSOPHY

MINOR REQUIREMENTS

<i>Minor in Mathematics</i>	
Lower Division	Prerequisites (may be satisfied in high school) Elementary Algebra Intermediate Algebra Plane Geometry Plane Trigonometry Mathematics 3A-3B ----- 6 units
Upper Division	Mathematics 104A-104B ----- 6 units In addition to prerequisites: 12 units
Total units required	

DESCRIPTION OF COURSES

Mathematics

LOWER DIVISION

C. Trigonometry (fall) 3 units

Plane trigonometry and spherical right triangles.

Prerequisite: Plane geometry and one and one-half years of high school algebra or Mathematics 1.

Three one-hour periods per week.

E. Solid Geometry (spring) 2 units

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

1. Intermediate Algebra (fall) 3 units

Quadratic equations; exponents and radicals; practice in the use of logarithms; theory of equations; elementary determinants; progressions; and the binominal theorem.

Prerequisite: One year of high school algebra or general mathematics.

Three one-hour periods per week.

2. Mathematics of Finance (spring) 3 units

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance.

Prerequisite: Two years of high school algebra or Mathematics 1.

Three one-hour periods per week.

3A-3B. Plane Analytic Geometry and Calculus (year) 3-3 units

First semester: Cartesian and polar equations of the straight line; conic sections; and general equations of the second degree.

Second semester: Plane analytics continued. Differential calculus and an introduction to integral calculus.

Prerequisite: High school algebra, plane geometry, and trigonometry.

Three one-hour periods per week.

8. College Algebra (spring)

3 units

Theory of equations; determinants; equations of third and fourth degrees.

Prerequisite: Mathematics 3A.

Three one-hour periods per week.

20. Mathematics of the Elementary School (fall, spring)

2 units

Operations and principles essential to the manipulation of fractions, equations, and formulae, with application to design, graphics, statistics, investment, and engineering.

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

***40. Elementary Statistical Methods (spring)**

3 units

Theory and uses of statistical methods. Practice in tabular and graphical representation of data. Measures of central tendency, relationships, and dispersion. Coefficients, index numbers, time series, and other forms of statistical calculations based on practical relevant data. Use of calculating machines encouraged.

It is recommended that students taking this course consult the instructor concerning the adequacy of their mathematical background.

Three one-hour periods per week.

UPPER DIVISION

104A-104B. Integral Calculus and Solid Analytics (year)

3-3 units

First semester: Continues the development and application of the calculus. Infinite series, partial derivatives.

Second Semester: Quadratic surfaces and multiple integration.

Prerequisite: Mathematics 3A-3B.

Three one-hour periods per week.

Civil Engineering

1A-1B. Plane Surveying (year)

3-3 units

Principles, field practice, calculations, and mapping.

Prerequisite: Plane trigonometry and Industrial Education 7A or its equivalent.

Two one-hour lecture and one three-hour laboratory periods per week.

†2. Descriptive Geometry

3 units

The principles of descriptive geometry and their application to engineering problems. Required for engineering and based on the course given at the University of California.

Prerequisite: Industrial Education 7A or its equivalent.

Three one-hour lecture and three two-hour drafting periods per week.

* Not given 1942-43.

† Given if sufficient demand.

Philosophy**6A-6B. Introduction to Philosophy (year)****3-3 units**

First semester: An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources, including the philosopher-poets and contemporary writers.

Second semester: A special consideration of the basic problems of philosophy, including historical references to solutions presented in the past.

Three one-hour periods per week.

MODERN LANGUAGES

MINOR REQUIREMENTS

<i>Minor in French</i>	
Lower Division	Prerequisites: French 1A-1B or two years of high school French French 2A----- 3 units French 2B----- 3 units
Upper Division	French 105A-105B----- 6 units
Total units required	In addition to prerequisites: 12 units

DESCRIPTION OF COURSES

French

LOWER DIVISION

- 1A. Elementary French (fall) 3 units**
 Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
 Three one-hour periods per week.
- 1B. Elementary French (spring) 3 units**
 Continuation of French 1A.
 Prerequisite: French 1A or one year of high school French.
 Three one-hour periods per week.
- 2A. Intermediate French (fall) 3 units**
 Reading course.
 Prerequisite: French 1B or two years of high school French.
 Three one-hour periods per week.
- 2B. Intermediate French (spring) 3 units**
 Continuation of French 2A.
 Prerequisite: French 2A or three years of high school French.
 Three one-hour periods per week.
- 5A-5B. Advanced French (year) 3-3 units**
 Reading course.
 Prerequisite: French 2B or four years of high school French.
 Three one-hour periods per week.

UPPER DIVISION

- 105A-105B. French Literature (year) 3-3 units**
 A survey of French literature from the 13th century to the present time. Extensive reading of works of representative authors of all periods.
 Prerequisite: French 2B or four years of high school French.
 Three one-hour periods per week.

Spanish

- 1A. Elementary Spanish (fall)** 3 units
Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
Three one-hour periods per week.
- 1B. Elementary Spanish (spring)** 3 units
Continuation of Spanish 1A.
Prerequisite: Spanish 1A or one year of high school Spanish.
Three one-hour periods per week.
- 2A. Intermediate Spanish (fall)** 3 units
Reading course.
Prerequisite: Spanish 1B or two years of high school Spanish.
Three one-hour periods per week.
- 2B. Intermediate Spanish (spring)** 3 units
Continuation of Spanish 2A.
Prerequisite: Spanish 2A or three years of high school Spanish.
Three one-hour periods per week.

MUSIC

MAJOR AND MINOR REQUIREMENTS

Junior High School Major

The junior high school major is available in two forms, instrumental or vocal. In each form the major consists of approximately 32 units in music courses selected according to the needs of the individual student. Instrumental majors must play in the orchestra or band at least six semesters. Vocal majors must sing in the a cappella choir six semesters. However, not more than six units in a cappella choir may be applied toward the major. Participation in the several musical organizations is subject to the approval of the department.

The courses fundamental to the major in both forms are:

Lower Division	Music 1_____	3 units
	Music 2_____	3 units
	Music 20A-20B_____	6 units
Upper Division	Music 120A-120B_____	6 units
	Music 141_____	2 units
	Music 146_____	2 units
	Music 192_____	3 units

A liberal arts group major which includes Music may be arranged in consultation with the student's advisor and the Registrar's office. See page 38.

<i>Instrumental Minor</i>			<i>Vocal Minor</i>		
Lower Division	Piano Test		Piano Test		
	Music 1_____	3 units	Music 2_____	3 units	
	Music 10_____	3 units	Music 10_____	3 units	
	Music 50 or 51_____	1 unit	Music 11_____	2 units	
	*Music 71, 72, or		Music 60 or 65_____	2 units	
	73 (two courses)_____	4 units	Music 76_____	$\frac{1}{2}$ unit	
Upper Division	Music 131_____	1 unit			
	Music 141_____	2 units	Music 146_____	1 unit	
	Music 150 or 151_____	1 unit	Music 160 or 165_____	2 units	
	Music 192_____	3 units	Music 192_____	3 units	
Total units required		18			16 $\frac{1}{2}$

* To be taken in the two orchestral sections in which student has not had training.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Music as a Literature—Instrumental (fall) 3 units

The development and changes in instrumental music and their relation to cultural history. Emphasis is placed upon listening to music to the end of developing critical knowledge of music through a study of styles and forms.

Three one-hour periods per week.

2. Music as a Literature—Vocal (spring) 3 units

The study of vocal music from the same approach as in Music 1.

Three one-hour periods per week.

Both Music 1 and Music 2 are suitable for non-music majors and minors who wish to know more about music as a part of their general education.

10. Musicianship (fall, spring)**3 units**

Elementary work in ear training, sight singing, and piano keyboard; designed to give the fundamentals of music in a direct and concise manner.

Required for all students working toward a teaching credential. Music majors not eligible.

Three one-hour periods per week.

11. Ear Training and Sight Singing (fall, spring)**2 units**

Designed to give a thorough foundation in pitch, rhythm, and harmony in the major and minor modes. These elements are presented through musical-tonal and rhythmical dictation, sight singing, and melodic writing. It emphasizes the chordal basis of melodies in both classic and modern harmonies.

Prerequisite: Music 10.

Two one-hour periods per week.

20A-20B. Structure of Music (year)*3-3 units**

The creation and analysis of music. Keyboard harmony; analysis of musical composition for form and content; harmonization of given melodies and original compositions for voices, piano, and other instruments.

Students enrolling should have some ability in playing the piano.

Three one-hour periods per week.

70. Piano Playing (fall, spring) **$\frac{1}{2}$ unit**

This course includes work for those who wish to learn to play simple songs and rhythmic compositions. It is also open to students wishing to continue piano work.

One one-hour period per week.

71. String Instruments (fall)**2 units**

Violin, viola, 'cello, string bass. Study and practice of one or more of the string instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

72. Brass Instruments (spring)**2 units**

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

73. Woodwind Instruments (fall)**2 units**

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

76. Vocal Technique (fall, spring) **$\frac{1}{2}$ unit**

Elementary study of voice. Designed to help students improve tone quality and musicianship of their singing.

One one-hour period per week.

UPPER DIVISION

Unless otherwise specified Music 10 or its equivalent is prerequisite to all upper division Music courses.

120A-120B. Structure of Music—Advanced (year) 3-3 units

A continuation of Music 20A-20B.

Prerequisite: Music 20A-20B.

Three one-hour periods per week.

131. Instrumental Arranging (fall, spring) 1 unit

A practical course in arranging music for various combinations of instruments, with special reference to school orchestras.

Prerequisite: Music 10 or 70 and consent of the instructor.

Two one-hour periods per week.

141. Instrumental Conducting (spring) 2 units

Baton and rehearsal technique; the problems associated with various kinds of instrumental organizations; program building; principles of interpretation.

Two one-hour periods per week.

146. Choral Conducting (fall) 1-2 units

Same as Music 141 but applied to choral singing.

Vocal music *minors* enroll for 1 unit and attend class for first half of semester. Vocal music *majors* attend whole semester for 2 units.

Two one-hour periods per week.

190. Practicum in Music (fall, spring) 2 units

Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences. (Not applicable to a minor in Music.)

Prerequisite: Music 60A or 165A-165B.

Two one-hour class and two one-hour observation periods per week.

192. Music in the Junior High School (fall) 3 units

An intensive study of musical literature. Provides a procedure for using such materials in the varying grade levels from the first grade to the junior high school, with emphasis upon the needs in the junior high school level.

Three one-hour periods per week.

Musical Organizations**50A, B, C, D; 150A, B, C, D. Orchestra (fall, spring) $\frac{1}{2}$ unit**

Affords qualified students an opportunity for study of good orchestral composition and for learning to play with interpretation, finish, and precision. Outside practice necessary.

Prerequisite to Music 150: Music 50A, B.

Two two-hour periods per week.

51A, B, C, D; 151A, B, C, D. Band (fall, spring) $\frac{1}{2}$ unit

Playing of both popular and symphonic band music. During the fall athletic season the band plays for athletic contests and rallies. Thereafter attention is devoted entirely to symphonic band music for playing in public concert.

Prerequisite to Music 151: Music 51A, B.

Two one-hour periods per week.

60A, B, C, D; 160A, B, C, D. College Chorus (fall, spring) $\frac{1}{2}$ unit

A musical organization open to any member of the student body without try-outs. It affords opportunity to become acquainted with some of the best music of the past and present. The chorus appears in several public performances during the year.

Prerequisite for Music 160: Music 60A, B.

Two one-hour periods per week.

65A-65B, 65C-65D; 165A-165B, 165C-165D. A Cappella Choir (year) 1-1 or 2-2 units

A selected group of singers who sing a cappella literature ranging from the sixteenth century to the present. Principles of style and interpretation, voice production, and other attributes of musicianly singing are dwelt upon to a much greater extent than is possible in the College Chorus. The choir gives many concerts and usually goes on tour in the spring of each year.

No credit is given for the first semester (fall) unless the student enrolls in and completes the course for the second semester (spring). An exception is made in case of withdrawal from College after first semester.

Prerequisite for Music 165: Music 65A-65B.

Two two-hour periods per week.

Private Lessons

Credit for private lessons will be given on the basis of one unit for one half-hour lesson per week and the necessary practice for the lesson for a semester.

80. Piano

Miss Jackson, \$5.00 per month; Mr. Fulkerson, \$1.25 per lesson.

81. String Instruments—Violoncello

Mrs. Fulkerson, \$1.25 per lesson.

86. Voice

Dr. Jeffers, \$1.50 per lesson.

ORIENTATION**1. Orientation I (fall)****1 unit**

College problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, matriculation in other institutions, and choice of vocation. Discussion of subject offerings of the various academic departments, led by their respective faculty members.

One one-hour period per week.

2. Orientation II (fall, spring)**1 unit**

Provides the prospective teacher with an opportunity to observe actual classroom procedures in the College Elementary School. Its purpose is to help the student determine early in his college career whether or not he or she should pursue a Teacher Education curriculum.

Two one-hour class periods and one one-hour of play observation and participation per week.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational, physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Every student enrolled in the College must take a half unit of physical education activities during each semester of the freshman and sophomore years in the College. Persons twenty-one years of age or older may be exempted from this requirement with consent of the Department.

MAJOR AND MINOR REQUIREMENTS

	<i>Major for Special P.E. Credential (Men Only)</i>	<i>Junior High School Major (Men Only)</i>	<i>Minor</i>
Lower Division-----	P.E. 2 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit P.E. 26A or 31 $\frac{1}{2}$ unit Activity Course ----- $\frac{1}{2}$ unit	P.E. 2 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit Activity Courses -----1 $\frac{1}{2}$ units	P.E. 2 -----2 units Activity Courses -----1 $\frac{1}{2}$ units Men P.E. 9A -----1 unit P.E. 10A -----1 unit Women P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit
Upper Division-----	P.E. 151 -----2 units P.E. 152 -----2 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B -----4 units P.E. 198 -----2 units P.E. 199 -----2 units Ed. 322 -----2 units Ed. 323 -----2 to 4 units Activity Courses -----1 $\frac{1}{2}$ units	P.E. 151 -----2 units P.E. 152 -----2 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B -----4 units P.E. 199 -----2 units Activity Courses -----1 $\frac{1}{2}$ units Electives in P.E. (may be Lower Division) -----1 $\frac{1}{2}$ units	P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 199 -----2 units Men P.E. 192A-B -----4 units Women P.E. 193A-B -----4 units
Total units required-----	28-30 units	24 $\frac{1}{2}$ units	Men -----14 $\frac{1}{2}$ units Women -----14 units

DESCRIPTION OF COURSES

Courses for Men

LOWER DIVISION

- 5. Freshman Physical Activities** (fall, spring) ½ unit
 Fundamentals of team and individual sports, together with some achievement tests.
 Required of all freshmen and limited to freshmen.
 Two one-hour periods per week.
- 8A, B. Individual Sports** (fall, spring) ½ unit
 Boxing, fencing, tumbling, wrestling (choice of one or more).
 Two one-hour periods per week.
- 9A, B, C, D. Intercollegiate Football** (fall) 1 unit
 Daily afternoon practice.
- 10A, B, C, D. Intercollegiate Basketball** (spring) 1 unit
 Daily afternoon practice.
- 11A, B, C, D. Baseball** (spring) ½ unit
 Intercollegiate competition when it can be arranged; games with local teams.
 Daily afternoon practice.
- 12A, B, C, D. Track** (spring) ½ unit
 Intercollegiate competition when it can be arranged; meets with local organizations.
 Daily afternoon practice.

UPPER DIVISION

- *192A. Theory of Athletics** (fall) 2 units
 Football, soccer, speedball, and basketball.
 Prerequisite: Upper division status only.
 Two one-hour periods per week.
- *192B. Theory of Athletics** (spring) 2 units
 Baseball, track and field, and tennis.
 Prerequisite: Upper division status only.
 Two one-hour periods per week.

* Not given 1942-43.

Courses for Women**LOWER DIVISION****15. Freshman Physical Activities (fall) 1/2 unit**

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

Required of all freshmen women and limited to freshmen.

Two one-hour periods per week.

16A, B, C. Fall Sports (fall) 1/2 unit

Field hockey and volleyball.

Two one-hour periods per week.

17A, B, C, D. Spring Sports (spring) 1/2 unit

Basketball and softball.

Two one-hour periods per week.

18A. Beginning Dance (fall) 1/2 unit

Two one-hour periods per week.

18B. Advanced Dance (spring) 1/2 unit

Two one-hour periods per week.

UPPER DIVISION**193A. Theory of Athletics (fall) 2 units**

Field hockey, soccer, speedball, volleyball, handball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

193B. Theory of Athletics (spring) 2 units

Basketball, baseball, tennis, archery.

Prerequisite: Upper division status only.

Two one-hour periods per week.

Courses for Men and Women**LOWER DIVISION**

- | | |
|--|--------------------------------------|
| 1. First Aid (fall, spring) | 2 units |
| This course conforms to the standards of the American Red Cross. Lectures, practical demonstrations, and practice periods. Those passing the written tests and practical demonstrations will receive the Standard and Advanced Red Cross First Aid Certificates. | |
| Two one-hour periods per week. | |
| 2. Hygiene (fall, spring) | 2 units |
| An informal course in personal hygiene developed through reading, discussion, lectures, and assigned topics. | |
| Two one-hour periods per week. | |
| 25A, B, C, D. Restricted Activities (fall, spring) | $\frac{1}{2}$ unit |
| Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician. | |
| Two one-hour periods per week. | |
| 26A. Elementary Clog and Tap Dancing (fall) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 26B. Intermediate Clog and Tap Dancing (spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 26C. Tap Club (fall) | $\frac{1}{2}$ unit |
| Advanced technique; original numbers required of students; participation in school programs. | |
| Two one-hour periods per week. | |
| 27A. Elementary Tennis (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| *27B. Intermediate Tennis (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 27C. Advanced Tennis (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 28A. Elementary Archery (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 28B. Advanced Archery (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |
| 29A. Badminton (fall, spring) | $\frac{1}{2}$ unit |
| Badminton, deck tennis, paddle tennis, table tennis. | |
| Two one-hour periods per week. | |
| 29B. Advanced Badminton (fall, spring) | $\frac{1}{2}$ unit |
| Two one-hour periods per week. | |

* Not given 1942-43.

- 30A. Beginning Golf** (fall, spring) 1/2 unit
One two-hour period per week.
- 30B. Advanced Golf** (fall, spring) 1/2 unit
One two-hour period per week.
- 31. Ballroom Dancing** (spring) 1/2 unit
Basic dance techniques; fox trot, waltz, tango, and current routines.
Dance etiquette.
Two one-hour periods per week.
- 32. Riflery** (fall, spring) 1/2 unit
Two one-hour periods per week.
- 33. Folk Dancing** (fall, spring) 1/2 unit
Two one-hour periods per week.
- 77. Playground Leadership** (fall) 4 units
Designed for partial fulfillment of the requirements for the Playground Leadership Credential. Thorough theoretical background and some practical laboratory experience in playground work.
Three one-hour lectures and one two-hour laboratory periods per week.

UPPER DIVISION

Upper division status is the only prerequisite to the upper division Physical Education courses.

- *151. Applied Kinesiology** (fall) 2 units
Study of the anatomy of muscles, bones, joints and of the nervous system as a basis for understanding bodily movement in exercise and sports.
Two one-hour periods per week.
- *152. Methods in Corrective Physical Education** (spring) 2 units
The principles underlying good body mechanics; the causes, correction, and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program; equipment facilities and procedure; fundamentals and practice of massage. Much of the work is practical.
Prerequisite: Physical Education 151.
Two one-hour periods per week.
- 175. History and Principles of Physical Education** (fall) 3 units
The evaluating of the history of physical education, the weighing of current problems in the field, the setting up of a code of ethics for professional workers, and the formulating of aims and objectives.
Three one-hour periods per week.
- 176. Principles of Community Recreation** (spring) 2 units
A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.
Two one-hour periods per week.

- 190B. Methods in Singing Games and Folk Dances** (fall, spring) **1 unit**
Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.
Two one-hour periods per week.
- †190C. Advanced Folk Dancing** (spring) **$\frac{1}{2}$ unit**
Recreational folk dancing.
Prerequisite: Physical Education 190B.
Two one-hour periods per week.
- 198. Organization and Administration of Secondary School Physical Education** (fall, spring) **2 units**
- 199. Practicum in Physical Education** (fall, spring) **2 units**
The organization of the physical education program in grades one through eight.
One class, two activity, and one observation hours per week.

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

† Given if sufficient demand.

SOCIAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ECONOMICS AND BUSINESS

LOWER DIVISION

	<i>Units</i>
Commerce and Economics.....	18
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences.....	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
English	
1A-1B (Composition and Literature).....	6
Physical Education	
Activities (one-half unit each semester).....	2
Psychology	
1 (General Psychology).....	3
Social Sciences (in addition to Economics).....	6-8
History 4A-4B (History of Western Civilization).....	6
Recommended elective: Geography 2 (Cult. and Reg.).....	2

UPPER DIVISION

Commerce and Economics.....	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government).....	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SOCIAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Social Sciences	14-15
(See tabulation of major requirements on next page.)	
Elective	2 or 3
Biological and Physical Sciences.....	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 40.)	
English	
1A-1B (Composition and Literature).....	6
Physical Education	
Activities (one-half unit each semester).....	2
Psychology	
1 (General Psychology)	3

UPPER DIVISION

Units

Social Sciences ----- 24

(See tabulation of major requirements below.)

Political Science

151 (American Constitutional Government) ----- 2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 41, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SOCIAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Social Sciences, with these additional requirements:

- (a) Foreign Languages ----- 15 units
(In not more than two languages. Each year of high school foreign language may be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)
- (b) Education (upper division) ----- 6 units
- (c) One of the minors must be completed in a subject field taught in high school.
- (d) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See p. 38.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Pre-Secondary Major in Social Sciences</i>		<i>Liberal Arts Major in Economics and Business</i>	
Lower Division--	Economics 1A-1B----- 6 units	Commerce	
	History 4A-4B----- 6 units	Com. 14A-14B----- 6 units	
		Com. 40----- 3 units	
		Economics	
		Econ. 1A-1B----- 6 units	
		Econ. 40----- 3 units	
Upper Division--	U.D. Economics----- 9 units	Commerce	
	U.D. History----- 9 units	Com. 130----- 3 units	
	Additional U.D. Social Science 6 units	Com. 134----- 3 units	
		Economics	
		Econ. 113----- 3 units	
		Econ. 120----- 3 units	
		Econ. 134----- 3 units	
		Econ. 135----- 3 units	
		Econ. 150 or 151----- 3 units	
		Econ. 188 or 195----- 3 units	
Total units required-----	36 units	42 units	

<i>Junior High School Majors</i>			
<i>Economics</i>	<i>History</i>	<i>Social Science</i>	
Lower Division-----	Economics 1A-1B -----	6 units	
	History 4A-4B -----	6 units	
Upper Division-----	U. D. Econ....12 units	U. D. Hist....12 units	U. D. Econ....6 units
			U. D. Hist....6 units
Total units required---	24 units	24 units	24 units

<i>Economics</i>	<i>Minors History</i>	<i>Social Science</i>	
Lower Division-----	Econ. 1A-1B...6 units	Hist. 4A-4B...6 units	Econ. 1A-1B...6 units
			Hist. 4A-4B...6 units
Upper Division-----	U. D. Econ....6 units	U. D. Hist....6 units	U. D. Econ....3 units
			U. D. Hist....3 units
Total units required---	12 units	12 units	18 units

DESCRIPTION OF COURSES

Economics

LOWER DIVISION

1A-1B. Principles of Economics (year) 3-3 units

First semester: The evolution of modern capitalistic industry; business organization and control; money; banking; and international trade.

Second semester: The economic laws of value, price, and of the distribution of wealth and income; problems of government finance, labor, and economic reform.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

See Commerce 14A-14B.

40. Elementary Statistical Methods (spring) 3 units

See Mathematics 40.

UPPER DIVISION

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor.

113. Economic and Social History of the United States (spring) 3 units

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

120. Business Organization (spring) 3 units

The practical problems of organization, control, and management of private enterprise; and the relation of the government to business; emphasis on instruments and methods of financing.

Three one-hour periods per week.

- *123. Marketing (spring)** 3 units
See Commerce 134.

- 135. Principles of Money and Banking (fall)** 3 units

The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.

Three one-hour periods per week.

- *150. Labor Economics (fall)** 3 units

A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.

Three one-hour periods per week.

- *151. Social Security in the United States (spring)** 3 units

The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.

Three one-hour periods per week.

- *188. World Population and Resources (spring)** 3 units

Distribution of the world's population and resources and their relationship in terms of economic welfare; areas of population pressure; measures for economic cooperation in the interests of world peace.

Three one-hour periods per week.

- *195. Principles of International Commerce (spring)** 3 units

The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; international debts; government control and direction of international trade.

Three one-hour periods per week.

Geography

- *1. Introduction to Geography (fall)** 3 units

The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.

Three one-hour periods per week.

- 2. Cultural and Regional Geography (fall, spring)** 2 or 3 units

A brief study of the physical environment as the home of man in terms of climatic regions, followed by a more intensive study of the economic activities and the culture pattern of these regions.

Two one-hour periods per week for 2 units. Students planning to transfer to the College of Commerce at the University of California may obtain an additional unit of credit by doing outside independent study assigned by the instructor.

* Not given 1942-43.

History**4A-4B. History of Western Civilization (year) 3-3 units**

A rapid survey of the political, economic, social, religious, and cultural development of Europe from ancient times to the present.

First semester: From ancient times to 17th century.

Second semester: From 17th century to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

UPPER DIVISION

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor.

***146. Europe since 1870 (spring) 3 units**

The political, economic, and social development of pre-war Europe; pre-war diplomacy and causes of the World War; the World War; post-war developments in the several European states; international relations; present cultural status.

Three one-hour periods per week.

149. History of Russia (spring) 3 units

The internal developments and the foreign relations of Russia from the time of Peter the Great down to the present.

Three one-hour periods per week.

167. The Foreign Relations of the United States (fall) 3 units

The foreign policy of the United States in the 19th century; the rise of the United States to a position of world power and the problems and changes growing out of this new position.

Three one-hour periods per week.

***189. History of the Pacific Coast (fall) 3 units**

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

Political Science**151. American Constitutional Government (fall, spring) 2 units**

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

SPEECH AND DRAMATICS

The requirements for the A.B. degree in Speech and Dramatics, the major and minor requirements, and the courses of instruction will be found under Department of English, Division of Speech and Dramatics.

* Not given 1942-43.

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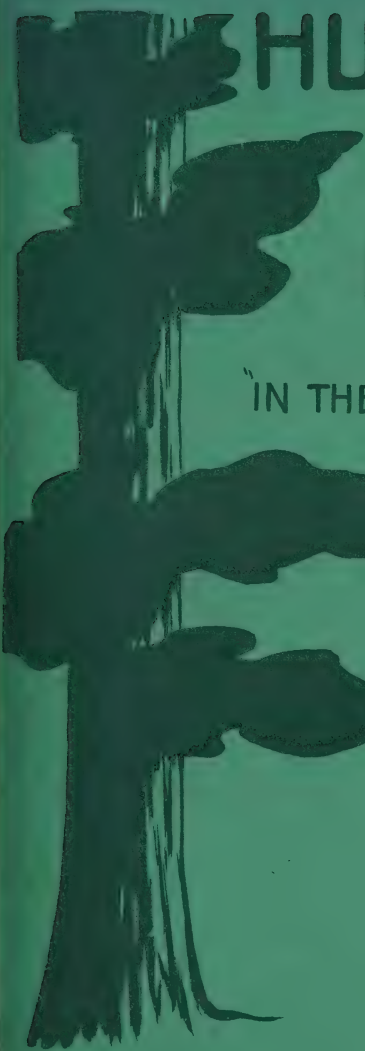
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June 1, 1943

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AUGUST

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SEPTEMBER

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OCTOBER

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-	3	4	5	6	7	1
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

NOVEMBER

S	M	T	W	T	F	S
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14	15	16	17	18	19	10
21	22	23	24	25	26	27
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DECEMBER

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26	27	28	29	30	31	-

1944

JANUARY

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FEBRUARY

S	M	T	W	T	F	S
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27	28	29	-	-	-	-

MARCH

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APRIL

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MAY

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JUNE

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JULY

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AUGUST

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27	28	29	30	31	-	-

SEPTEMBER

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-	3	4	5	6	7	1
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OCTOBER

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22	23	24	25	26	27	28
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NOVEMBER

S	M	T	W	T	F	S
-	5	6	7	1	2	3
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DECEMBER

S	M	T	W	T	F	S
-	4	5	6	7	1	2
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

ACADEMIC CALENDAR, 1943-1944

Fall Semester, 1943

REGISTRATION PERIOD-----	Wednesday and Friday September 8 and 10
Language Arts Tests-----	Wednesday, 9 a.m.
College Aptitude Test-----	Wednesday, 2 p.m.
Registration of—	
Seniors and 2d-semester Freshmen-----	Wednesday, 9 a.m. to 12 m.
Sophomores -----	Wednesday, 1 to 4 p.m.
Juniors -----	Friday, 9 a.m. to 12 m.
1st-semester Freshmen-----	Friday, 9 a.m. to 4 p.m.
INSTRUCTION BEGINS-----	Monday, September 13
Last day for program changes-----	Friday, October 8
ARMISTICE DAY-----	Thursday, November 11
Mid-term warning notices-----	Friday, November 12
THANKSGIVING RECESS-----	Thursday-Sunday, November 25-28
CHRISTMAS HOLIDAYS-----	Saturday, December 18-Sunday, January 3
SEMESTER EXAMINATIONS-----	Saturday, Monday, Tuesday, and Wednesday, January 22, 24-26

Spring Semester, 1944

REGISTRATION PERIOD	Monday and Tuesday, January 31 and February 1
Language Arts Tests	Monday, 9 a.m.
College Aptitude Test	Monday, 2 p.m.
Registration of—	
Seniors and 2d-semester Freshmen, A-M	Monday, 9 a.m. to 12 m.
Sophomores	Monday, 1 to 4 p.m.
Juniors	Tuesday, 9 a.m. to 12 m.
1st-semester Freshmen and 2d-semester Freshmen, N-Z	Tuesday, 1 to 4 p.m.
INSTRUCTION BEGINS	Wednesday, February 2
WASHINGTON'S BIRTHDAY	Tuesday, February 22
Last day for program changes	Friday, February 25
Mid-term warning notices	Friday, March 31
SPRING VACATION	Saturday through Sunday, April 1-9
MEMORIAL DAY	Wednesday, May 31
SEMESTER EXAMINATIONS	Thursday, Friday, Saturday, and Monday, June 1-3, 5
COMMENCEMENT	Friday, June 9

Summer Session, 1944

Six Weeks	June 19 to July 28
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Fall Semester, 1944

(Probable Dates)

Language Arts Tests	Wednesday, September 6, 9 a.m.
College Aptitude Test	Wednesday, September 6, 2 p.m.
Registration Period	Thursday and Friday, September 7 and 8

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NOTE TO THE PROSPECTIVE STUDENT

A Word about the College

Humboldt State College offers the prospective student several advantages and attractions. Despite its small size it can meet a considerable variety of educational needs. For those who look to teaching as a career the College provides sound and modern courses of training for the kindergarten through the junior high school levels. For those who desire a cultural education it offers the basic studies in the humanities and sciences. For those embarking upon a particular professional career it offers the studies necessary as groundwork and background. For those wishing to enter the business world it provides both practical training courses and a liberal arts curriculum in business.

Besides these educational facilities, which are the primary function of any college or university, the College affords a congenial dormitory life, an athletic program that gives opportunity to the experienced and inexperienced alike, and a natural environment that is not bettered anywhere in the state for scenery and opportunities for outdoor life. And lastly, though not least, because of its small size the College affords opportunity for students and faculty both to become acquainted with one another to a degree not possible in large schools.

A Word about this Catalog

This catalog is your introduction to the purposes and work of Humboldt State College. In it we have sought to put all the information necessary in order for you to know what courses of study the College offers and how the College and its student body are organized and function. Careful study of it will enable you to find your way about amidst the necessary curricular requirements and regulations with a minimum of assistance. An extensive table of contents in the front of the catalog is intended to help you find whatever you wish or need to know.

Acquaintance with some matters you can leave until after you have become well established in the College, but with certain parts of this catalog you should familiarize yourself as soon as you have decided to enter the College, namely:

(1) *How you enter the College.* The requirements and procedure for entrance and registration in the College are told in

the section titled "Admission to the College." The procedure for enrolling in classes is specified under "Academic Regulations."

(2) *What rules and regulations you are subject to once you are in the College.* Those rules and regulations applying to all students are found in the section "Academic Regulations." All students are held responsible for a knowledge of them. Those requirements referring to particular curricula are found under "Degrees, Credentials, and Curricula."

(3) *What courses of study you wish to follow.* The several groupings of curricula you will find outlined and described under "Degrees, Credentials, and Curricula." Specific curricula are detailed under the various departments in the section "Courses of Instruction." A system of cross references to pages in both sections should enable you to find your information readily. The explanatory note at the beginning of the section "Courses of Instruction" is called to your attention.

(4) *What your expenses will be.* Expenses and the fees charged by the College and student body are listed under "Fees and Expenses." They are payable at the time of registration. Living expenses vary with the individual, but as a rule they are not high in Arcata. Living arrangements are discussed under "Student Life." Those students seeking financial assistance will find a few scholarships listed in the section "Student Life" and directions for seeking employment or temporary loans under "Fees and Expenses."

If, despite our best efforts, certain requirements or regulations are not entirely clear, feel free to communicate with the Office of the Registrar of the College, or if you can, personally visit us.

Meanwhile we invite you to come to Humboldt and hope we can welcome you here when the new semester opens.

THE PRESIDENT AND FACULTY
OF HUMBOLDT STATE COLLEGE

THE COLLEGE

LOCATION

Humboldt State College is located in the town of Arcata, which is situated on the north shore of Humboldt Bay in northern California. Backed by high forested hills, the College occupies a conspicuous position on the top of a hill, about a mile from the center of town. It commands an unrestricted panorama of forested mountains, bay, dairy and farm lands, sand dunes, Pacific Ocean, and at night the lights of Arcata, Eureka, and Samoa.

Arcata, the first town to be established in northwestern California, is located on the famous Redwood Highway eight miles north of Eureka and 300 miles north of San Francisco. It is reached by the Northwestern Pacific Railroad and Pacific Greyhound Lines. It has a population of approximately three thousand. Lumbering, box manufacturing, and dairying form the basis of the business life of the community. Eureka nearby is a thriving city of about twenty thousand people. It is the county seat of Humboldt County and is the site of a woolen mill and several lumber mills. About fifty miles south of Eureka is Cape Mendocino, the westernmost point of the mainland of California. Humboldt State College holds the distinction of being the college farthest west in the United States.

The climate of the Humboldt Bay region, though moist, is stimulating and equable, the extremes of heat and cold being absent. Summer and fall are particularly delightful seasons.

PHYSICAL EQUIPMENT

Campus and Buildings

The physical plant of the College comprises a compact group of buildings and athletic facilities, appropriately landscaped. The main building, a rectangular two-story structure surrounding an inner court, houses the administrative offices, faculty offices, classrooms, library, student social unit, and auditorium. Adjacent to the main building are the original normal school buildings, used today for a variety of purposes. In the rear are a modern gymnasium and athletic field, on which has been erected one of the finest commando courses in

the State. In front, across the street from the main building, are four tennis courts for use of the students and faculty. Not far from the main building is Nelson Hall, a modern dormitory named in honor of State Senator Hans C. Nelson, who contributed much to the development of the College. It includes a well-equipped dining commons. A small greenhouse, a fish hatchery, and game-bird breeding pens make up the remaining physical facilities of the College.

Back of the athletic field and gymnasium the College owns a large tract of second-growth redwood forest, in which have been cut a number of trails and clearings for purposes of recreation and botanical study.

Library

The library, situated off the south end of the inner court, contains some twenty thousand volumes. Though not large, this collection is well distributed as to subject matter, including recreational reading, and is constantly being added to. Its periodical list contains nearly one hundred and fifty titles, about half of which are scientific and professional and the rest of general nature. For many of the titles which the library does not possess it draws upon the collection of the California State Library, with which it has a borrowing arrangement. If desired, the library will also borrow, at a small expense charge, from the great collection of the library of the University of California at Berkeley. The library requirements of a small college are thus met in adequate fashion.

College Elementary School

The College maintains an elementary school on the campus, a short distance from the main building. It is here, as well as in the schools of Eureka and Arcata, through the cooperation of their school authorities, that the student teaching by the teaching credential candidates is conducted.

The College Elementary School extends from the kindergarten through the eighth grade and is housed in a commodious and modern building of reinforced concrete. Adjacent to the building are large fenced-in playfields.

HISTORICAL NOTE

Humboldt State College is one of the seven California state colleges, which have developed out of the old state normal schools. The original Humboldt State Normal School was established in 1913 by an act of the Legislature. Actual instruction began on April 6, 1914, the first class sessions being held in the Arcata Grammar School under an agreement between the Board of Education of Arcata and the normal school authorities.

The fine site of the College was donated by William A. Preston and the Union Water Company, whose officers were Noah H. Falk, Len Yocom, Mrs. Arthur Way, and Mrs. Kate Harpst. By January, 1915, temporary wooden buildings were constructed and ready for occupancy. In 1917 the Legislature appropriated \$245,000 for the permanent main building, which has been in use since February, 1922. A \$70,000 gymnasium was added in 1930 and the four tennis courts and the College Elementary School in 1933.

The professional curriculum in teacher training originally required two years to complete. Gradually it was extended and broadened to include many of the liberal arts and the sciences, so that today at least four years must be spent to complete any teacher credential curriculum offered by the College.

Control of the institution was first vested in a local board of trustees, appointed by the Governor. In 1921 control was transferred to the State Department of Education and the College placed in the hands of the Director of Education and the State Board of Education. The Legislature at the same time changed all of the Normal Schools to State Teachers Colleges, and authorized the State Board of Education to grant the Bachelor of Arts degree in Education. In 1935 the Legislature changed the name to Humboldt State College and authorized the granting by the College of the Bachelor of Arts degree in the liberal arts. Thus the College now functions as a teacher training institution and as a regional college.

STUDENT LIFE

LIVING ACCOMMODATIONS

Living quarters for students in attendance at the College are available in Nelson Hall, in apartments, and in private rooming houses in Arcata. There are several of the latter available near the College at reasonable rentals. The monthly rate for rooms in private homes and rooming houses varies between \$7 and \$10. By eating at the college dining commons the cost of food can be kept to \$1 a day or less. Two or more students living together in an apartment can live for as low as \$15 or \$20 a month apiece for food and lodging. A list of approved living quarters may be obtained from the Financial Secretary of the College.

Nelson Hall, a modern dormitory, operated by the College under the supervision of the Head Residents and the President, accommodates thirty women and thirty-five men in a congenial and comfortable environment. All rooms are double rooms and rent at the rate of \$7 a month per person. Bedding and towels and their laundering are provided by the dormitory. Students residing at the dormitory must agree to take their dinners at the dining commons, at reasonable rates, with allowance for regular absences over week-ends. Any student who finds it necessary to leave the dormitory during the semester should first consult one of the Head Residents and then submit two weeks' notice to the Financial Secretary.

Application for admission to Nelson Hall should be made through the office of the Financial Secretary. New students at Humboldt State, who are not known personally by the faculty, must accompany their application with two letters recommending the applicant's character and integrity. These letters should be from teachers or friends who have a personal acquaintance with the applicant.

In conjunction with Nelson Hall a College Commons is operated where students, faculty, and their friends may obtain meals at cost.

All lower division women students who do not commute daily to the College are expected to live in Nelson Hall, unless special arrangements are made by the parents with the Dean of Women. It is advisable, also, for upper division women to reside in the dormitory.

It is important that the College have correct local and home addresses for all students. A record of these addresses is kept both in the office of the Secretary to the President and in the office of the Registrar.

STUDENT ORGANIZATIONS

A number of student activities are carried on in the College in the form both of various student organizations and of certain activities such as athletics, dramatics, and music for which college credit is given. The administration is convinced of the value to prospective teachers of participation in a reasonable number of these activities.

Student Body Government

In keeping with the democratic tradition in American education the College administration encourages student body government as a means by which the students may acquire an appreciation of and practical experience in the art of self-government. It is expected that such government will develop leadership and a sense of responsibility among the students. However, the faculty retain authority and supervision over certain matters, such as student body finances and relations with individuals or groups outside the College where sound financial practice, legal responsibilities, and the best interests of the students make it advisable.

The organization of the associated students, known officially as the Student Service Association, consists of five officers—President, Vice-President, Secretary, Treasurer, and Publicity Manager—a Board of Control, and an Executive Committee. The student body officers are elected annually in the spring. The *Board of Control*, composed of the Vice-President of the student body as ex-officio chairman, three women, and three men elected along with the student body officers, is charged with the responsibility of maintaining high standards of conduct around the College. The *Executive Committee* consists of the five elected student body officers, the members of the Board of Control, and a faculty sponsor appointed by the President of the College. Its duties are to hold student body elections, set student body dues, approve and adjust the budget, authorize purchases and the payment of bills, inventory school property at the end of the school year, and oversee student body affairs in general.

Student Bookstore

For the convenience of the students the student body maintains a bookstore, where college textbooks and supplies may be obtained at cost, and a soda fountain.

Clubs and Societies

To recognize scholastic achievement, encourage particular interests, and afford recreation the students have established a number of organizations, which are authorized by and coordinated through the Student Service Association. They are listed with their sponsors as follows:

Alpha Psi Omega (a national dramatics fraternity)

Sponsor: Mr. Karshner

Associated Women Students

Sponsor: Mrs. Hadley

Chi Sigma Epsilon (local scholastic honor society) See p. 16

Sponsor: Miss Johnson

The College "Y"

Sponsor: Mrs. Walter

Favonian Club (women's social club)

Sponsor: Mrs. Telonicher

Home Economics Club

Sponsor: Mrs. Walter

Humboldt State College Ski Club

Sponsor: Dr. Lanphere

Humboldt Tap Club

Sponsor: Mrs. Hadley

Kindergarten-Primary Club

Sponsor: Miss Bestor

Men's Association

Sponsor: Dr. MacGinitie

Mu Epsilon Psi (music club)

Sponsor: Miss Garvin

Rho Sigma (sophomore honor society) See p. 16

Sponsors: Miss Johnson and Chi Sigma Epsilon.

Sigma Epsilon Rho (science club)

Sponsor: Dr. Lanphere

Student Teachers' Club

Sponsors: College Elementary School Staff

Women's Athletic Association

Sponsor: Mrs. Hadley

In addition the freshmen, sophomore, junior, and senior classes have each its class organization and faculty sponsor.

PUBLICATIONS

A weekly college newspaper, the "Lumberjack," is published by the associated students.

The student yearbook, "Sempervirens," is published in the spring.

SCHOLASTIC HONORS**Conferred by the Faculty**

GRADUATION HONORS are awarded to graduating students at Commencement, subject to the approval of the faculty, on the basis of their scholastic index achieved in their undergraduate work as follows:

Index 2.00-2.34—with honor

Index 2.35-2.74—with high honor

Index 2.75-3.00—with highest honor

SEMESTER HONORS are given to all regular students who during a semester complete twelve or more units of work carrying a letter grade and who achieve a scholastic index of 2.00 with no *F*'s or *Incompletes*. These honors are announced at the Chi Sigma Epsilon honor assembly early in the following semester.

THE PRESIDENT'S CUP has been provided as a stimulus to student teaching and a recognition of meritorious work. Each year there is engraved upon the cup the name of the student who, in the judgment of the faculty of the College Elementary School, most stands out because of his or her teaching in the Elementary School.

THE PHI BETA KAPPA MEDAL is presented at Commencement by the Phi Beta Kappa members of the faculty to the student of sophomore standing or higher who makes the highest scholastic average during the year.

Conferred by the Students

CHI SIGMA EPSILON is the upper division honor society, which elects members during the first part of each semester. High scholastic attainment, qualities of leadership, and high ideals of character form the basis of selection. Chi Sigma Epsilon Pledging Day honors with an assembly the students elected to membership.

RHO SIGMA is a sophomore honor society, sponsored by Chi Sigma Epsilon, whose active members select them each semester from the sophomore class on the same basis as election to Chi Sigma Epsilon.

THE CHI SIGMA EPSILON FRESHMAN MEDAL is presented each spring to the student who, in the opinion of the members of Chi Sigma Epsilon, is the outstanding member of the freshman class. Scholarship, character, and participation in student activities determine the award.

SCHOLARSHIPS AND MONETARY AWARDS**Conferred by College Organizations**

AWARD FOR CREATIVE WRITING. President and Mrs. Gist have provided an annual prize of \$10 to stimulate creative writing. The arrangements for submitting manuscripts and the selection of the recipient are in the hands of the Department of English.

CHI SIGMA EPSILON SCHOLARSHIP. This scholarship, which covers the general student fees for the freshman year, is donated by Chi Sigma Epsilon to a high school graduate of Humboldt or Del Norte County on the basis of scholarship, character, and participation in activities while in high school.

FACULTY WOMEN'S GIFT. The Faculty Women's Club of the College presents a monetary gift to a graduating woman at the close of the academic year. The award is made on the basis of scholarship and character.

MEN'S ASSOCIATION SCHOLARSHIP. The Men's Association of the College grants scholarships to two men graduates of the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic abilities. The scholarships consist of tuition paid for the fall semester of the freshman year. Selection is made by the scholarship committee of the Association from a list of candidates recommended by the high school principals.

Conferred by Civic Organizations and Individuals

ARCATA KIWANIS CLUB AWARD. The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

ASSOCIATED BUSINESS GIRLS' AWARD. The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

BUSINESS AND PROFESSIONAL WOMEN'S SCHOLARSHIP. The Business and Professional Women's Club of Eureka maintains a fund from which scholarships are awarded on a loan basis to women selected by the Club.

CRAIG SCHOLARSHIPS. Two scholarships have been established by Miss Ann V. Craig, former member of the College faculty, in honor of her father and mother. The Edith R.

Craig Scholarship is presented to a freshman student chosen at the end of his or her freshman year at the College. The John F. Craig Scholarship is presented to a sophomore student chosen at the end of his or her sophomore year at the College. Selection of the recipients is made by a faculty-student committee of three from those students in the respective classes who have a scholarship index of 2.0 or better and who have participated actively and commendably in at least one extra-curricular activity. Other considerations being equal, preference is given to the students with the greatest financial need. Each scholarship consists of \$25 for each semester of the following year to pay tuition, registration, and course fees and to purchase textbooks.

FERNDALE JUNIOR WOMEN'S CLUB SCHOLARSHIP. The Ferndale Junior Women's Club grants scholarships to worthy students in amounts sufficient to pay their college fees and purchase their books.

THE HUMBOLDT COUNTY FEDERATION OF WOMEN'S CLUBS SCHOLARSHIPS. Each year the Humboldt County Federation of Women's Clubs awards scholarships of \$50 each in voice and musical instruments. These scholarships provide a year's private instruction at the College. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor at the College in the field in which the award is made.

MUSICIANS UNION SCHOLARSHIP. Awarded by the Musicians Union of Eureka to a male graduate of a Humboldt County high school who is pursuing a serious study of music. Selection is made in the spring, after communication with the high schools of the county, by the scholarship committee of the union on the basis of scholarship and musical ability, determined through auditions. The recipient must enter the College not later than one year after graduation from high school and must major or minor in music for the duration of the award. He may be eligible for the award a second time. The scholarship consists of payment of tuition and other college expenses for a year.

SEQUOIA MUSIC CLUB SCHOLARSHIPS. The Sequoia Music Club awards each year on a loan basis at least two scholarships of \$50 in music. These scholarships provide for a year of private lessons at the College in either voice, piano, violin, or 'cello. Recipients are determined by an annual contest at

the College in the spring. They must be high school graduates of good standing and must major or minor in music at the College for the duration of the award.

SOUTH FORK P. T. A. SCHOLARSHIP. The Parent-Teacher Association of the South Fork Union High School awards a scholarship sufficient for fees and books to an outstanding and deserving graduate of that school.

For additional information concerning the foregoing scholarships and awards communicate with the Office of the Registrar, Humboldt State College, Arcata, California.

SOCIAL LIFE

Because of the small size of the College and the presence of a college dormitory a highly congenial and informal social life prevails, in which the faculty as well as the students take part.

A considerable number of student dances are given throughout the college year under student body auspices. The Associated Women Students hold a Freshman Round-Up early in the fall semester. In the spring they give a combined Mother's Day tea and fashion show, as well as a tea honoring the new freshmen students. They also assist as hostesses at social functions in honor of visiting schools or given by the faculty. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. A number of impromptu social functions are held among the students residing in the dormitory. At the end of the spring semester just before Commencement the graduating seniors conclude their undergraduate days with a series of outings and a senior banquet and ball.

The faculty sponsor several social functions for the students. Early in the fall President and Mrs. Gist and Dean Hadley entertain the freshmen and new students at a tea held in the Social Unit of the College. In the spring President and Mrs. Gist entertain the seniors at a tea in their home. During the last month of school the Faculty Women's Club entertain the graduating women. Likewise in the spring the faculty give a tea honoring all students of the College who have made outstanding scholastic records during the preceding semester.

ATHLETICS AND RECREATION

Intramural Sports

To promote recreation and physical development the Department of Physical Education conducts a program of intramural sports.

Among the women class teams are organized in field hockey, volleyball, basketball, and softball, and play through a tournament in the course of the semester. During the spring semester the women hold an Individual Sports Day, which consists of final matches in tennis, archery, badminton, and golf, after a series of elimination matches preliminary to this event. The Women's Athletic Association, in conjunction with the Department of Physical Education, sponsors a Play Day at the College for the girls in all the high schools in Mendocino, Humboldt, and Del Norte counties.

For the men intramural competition is organized in basketball, volleyball, tennis, and golf. The Department of Physical Education sponsors an annual boys' basketball tournament for the high schools in Humboldt County. This tournament is held in the College gymnasium during the afternoon and evening and is open to the public.

Men's Athletics

The student body conducts a full program of men's intercollegiate athletics that includes football, basketball, baseball, track, and tennis, on both the varsity and junior varsity level. The College is now a member of the Far Western Conference. Competition is scheduled both in and outside of the Conference with colleges and amateur athletic organizations in California and Oregon. A large number of the men students participate in the intercollegiate competition of the College, for the coaching staff is especially interested in developing capable performers out of individuals with little or no athletic experience.

The Department of Physical Education requires all men participating in intercollegiate athletics and all women participating in intramural sports to pass a health examination each season.

Recreation

The student seeking recreation on his own will find in the surrounding country a variety of scenic and natural attractions. Several miles of sand dunes extend along the ocean from the north jetty of the entrance to Humboldt Bay to Little River. North of Little River the coast becomes rugged, with numerous caves, points, and reefs. About twenty miles north of Arcata on the Redwood Highway is Patrick's Point with fine picnic facilities, and a couple of miles beyond that is Big Lagoon, a virtual salt-water lake which, protected from ocean breakers, affords safe swimming and boating. Within an hour's

drive or less one can reach the famous redwood groves south of Scotia and north of Patrick's Point, as well as along the Van Duzen River. At North Dyerville Flat stands the tallest tree in the United States, 364 feet in height. Consultation of any good road map of northern California will suggest several interesting trips into a rugged and little settled back-country interior from the coast.

Still other attractions offer themselves. Humboldt County possesses a relative abundance of wild game and fish. In the winter there is skiing on Grouse Mountain, where the College Ski Club has built a cabin. In the summer there is swimming in the pools of Mad and Eel Rivers. The golf courses near Arcata and Eureka make special rates to students. The lighthouse at Cape Mendocino, the lighthouse and Spanish cross at Trinidad Head, the Blowhole three miles south of Trinidad, the Coast Guard station on the peninsula, the woolen mill in Eureka, the box factory in Arcata, and the large lumber mills in Samoa, Eureka, and Scotia are places well worth visiting.

MUSIC AND DRAMA

There is abundant opportunity for students to participate in musical and dramatic activities at Humboldt. A wide and varied program is offered in both fields.

Musical organizations include a Little Symphony Orchestra, a College Chorus—open to all men and women regardless of ability—and an A Cappella Choir. These groups give concerts in both the fall and spring terms. In addition the A Cappella Choir annually tours Northern California and the Bay region, singing at many schools, colleges, and churches. The Choir has gained State-wide recognition for its outstanding performances.

The Drama Department of the College is noted for its productions. Each year it presents four or five major plays, a group of one-act plays, and a student variety show, in which a large proportion of the student body participates. Acting parts in these productions are open to all students who wish to try out. Also, through the Dramatic Workshop experience is offered in the other arts and crafts of the theater: scene-design, stage-craft, lighting, make-up, etc.

Humboldt State exchanges plays with two other colleges. Annual drama festivals are held with both San Francisco State College and Chico State College. Thus, each year the Humboldt Players have the opportunity of traveling to one

of these schools and of entertaining the other on the Humboldt campus. The festivals, which are noncompetitive in nature, have become well known throughout Northern California.

Students receive regular course credit for participation in either Music or Drama.

COUNSELING

The College maintains a program of counseling and guidance for entering freshmen. At the time of registration individual attention is given by the faculty program advisers. Early in the semester the Dean of Women interviews each woman student and the Dean of Men each man student in the freshman class. Meanwhile, both the Associated Women Students and the Men's Association make it their task to see that the freshmen become acquainted with other students and with the customs and organizations of the College. To assist the freshmen in adjusting themselves to their studies and choice of curriculum an Orientation class meets every week during the fall semester (see p. 106).

At all times the students are free to consult their program advisers and the officers of the College about the problems confronting them.

COMMUNITY RELATIONS

PLACEMENT SERVICE

The College maintains a Placement Bureau as a service both to the teacher graduates of the College and to school officials. It seeks to help the College graduates, both current and past, find the positions best suited to their abilities and training and to assist school executives by recommending to them the candidates best suited to the positions to be filled. The bureau assembles and furnishes to school officials information about the character, sense of responsibility, scholastic achievement, participation in student activities, and success in student teaching of the graduates of the College.

Students seeking positions as teachers will find it to their advantage to work through the Placement Bureau. They should register with the bureau early in their senior year so that the necessary data about them may be collected in plenty of time. During the present emergency, the facilities of the Bureau have been extended to graduates of other institutions residing in this section of the State.

The College provides placement service, without cost to employer or student, for all commercial graduates. In the past a notable record has been achieved in regard to successful placement. Graduates should register with the Commercial Department.

COMMUNITY SERVICE

Inasmuch as the College is a state institution, its facilities, when not in use for college purposes, are available for use by the citizens of the state. It particularly welcomes conventions, conferences, and assemblies of educational or cultural nature. The College auditorium seats four hundred. Arrangements for the serving of meals in the dining commons should be made with the Financial Secretary of the College.

EXTENSION COURSES

Extension courses will be conducted at the College in the evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI ASSOCIATION

The Humboldt State College Alumni Association includes among its objectives assistance to the College in administrative problems and guidance and counsel of recent graduates. The officers for the year 1942-43 are: William Morehouse, president; Marie Nordquist Seidell, vice president; Hally Jones Eastman, secretary; Hugh B. Stewart, treasurer; and Jane Cotter, editor of the *Humboldt Alumnus*. Branch organizations of the Association have been organized in other parts of the State.

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students. Such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of the major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College.

Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only to the extent that the applicant can demonstrate to the satisfaction of the State Col-

lege authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

Scholarship Average. In the case of students transferring to this college from other institutions, the scholarship average at the previous institution will be included with the average made at this college.

Extension Credit. Extension work taken in other institutions is allowed only up to 10 per cent of the total curriculum requirement.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are accepted credit for credit and grade for grade at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our pre-secondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The Graduate Division of the University of California finds that it is rarely, if ever, possible for a graduate with the A.B.

degree from any institution to receive both the high school credential and master's degree in one year.

All students intending to transfer to another institution after a year or two at Humboldt should consult the requirements of the institution to which they intend to transfer and arrange their programs at Humboldt accordingly.

LANGUAGE ARTS TESTS

A series of tests in writing, reading, and speech is given to entering freshmen at the beginning of each semester (see Academic Calendar). The tests are designed to determine whether a student is in need of remedial work in any branch of the language arts. Special attention is thereafter given in English 1A-1B to correct whatever deficiencies are revealed by the tests.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test which is given immediately after the Language Arts tests.

ORIENTATION

All freshman students are required to enroll for an orientation course, which meets during the fall semester once a week (see p. 106).

REGISTRATION

Students should report for registration in compliance with the schedule announced in the calendar. A faculty adviser is assigned to each student according to the curriculum he selects. After a program has been approved by the adviser, the student completes his registration by the payment of fees and the filing of his registration and course cards.

The students' official study list is filed in the office of the Registrar. Since this list is the basis for official reports and records, the student must assume responsibility for keeping this list accurate at all times.

Prior to formal registration, conferences may be held with advisers or with the Registrar about suitable programs or course requirements.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the semester. Transcripts of former work should be filed with the Registrar two weeks in advance.

Students who are unable to report for registration during the designated period must make special arrangements with

the administration and the faculty concerned. A special fee of \$1 is collected for late registration.

The procedure for enrolling in classes is described on p. 31.

SUMMER SESSION

Each year the College holds a summer session designed to meet the needs of (1) high school graduates prepared to enter college, (2) students and teachers working toward the A.B. or B.E. degree or a teaching or administrative credential, and (3) persons seeking cultural advantages or combined study and recreation in one of the most scenic regions of California.

Requirements for admission to the summer session are the same as those for the regular semester sessions (see p. 25).

Courses are planned for full six weeks' attendance, though in certain instances credit for three weeks' attendance may be arranged.

The Registrar will send the Summer Session Bulletin upon request.

There is no nonresident tuition fee for out-of-state students for the summer session.

ACADEMIC REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation hour per week for eighteen weeks, with two hours of preparation for each recitation hour. It may be administered as three recitation hours per week for eighteen weeks without outside preparation.

CLASSIFICATION OF STUDENTS

Students are classified in two ways in terms of number of units completed.

Students who have completed less than 60 units are classed as *lower division* students. Ordinarily they are allowed to enroll only in lower division courses (see p. 54). Students who have completed 60 or more units are classed as *upper division* students. They may enroll in both lower and upper division courses.

A student's class is determined by the number of units completed, as follows:

Freshmen	-----	Less than 30 units
Sophomores	-----	30 to 59½ units
Juniors	-----	60 to 89½ units
Seniors	-----	90 or more units

During a given semester students registered for six or more units are classified as *regular* students. Students registered for less than six units are known as *limited* students.

MARKING SYSTEM

Grades

A five-grade marking system is used. The grades employed are defined as follows:

A	-----	Excellent
B	-----	Good
C	-----	Average
D	-----	Barely Passing
F	-----	Failure

Plus (+) as given in certain courses means passed with a grade of C or better. Inc. means "incomplete," W "withdrawn."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not given to students who are failing or who are dilatory. *The uncompleted work must be made up within the next year of residence, or the Incomplete automatically becomes a Failure.*

Honor Points

Each of the above grades carries honor points as follows:

A	3 per unit
B	2 per unit
C	1 per unit
D	0 per unit
F	Minus 1 per unit

No honor points are given for an Incomplete until the final grade is given. Neither units nor honor points are given for a course from which a student withdraws. Hence, marks of Incomplete or W have no effect upon the Scholarship Index.

Scholarship Index

The Scholarship Index is a device for rating a student's scholarship average. It is derived by dividing the total number of honor points earned by the total number of registered units. In computing the index, units are not included for activity courses that carry no honor points.

A student receiving a grade of D or F in a course may repeat the course and be given the grade and grade points earned in the repeat providing he receives permission from the instructor of the course and the Scholarship Committee. Unit credit towards the degree will be allowed only once for a course, but the calculation of the scholarship index will include the honor points received each time the course is taken. Though repetition of a course will not rescind zero or minus grade points, a student repeating such a course with a grade of C or higher improves his scholarship index since the honor points are increased without a corresponding increase in the registered units.

Unless otherwise specified, the term "Scholarship Index" refers to the cumulative rather than the semester index.

NORMAL PROGRAM

Fifteen or sixteen units of work in addition to a half-unit in physical education constitute an average program for a semester. According to the definition of semester unit given above, this means forty-eight hours of actual work each week.

Students who have demonstrated their ability, measured in terms of the Scholarship Index, may be permitted to carry additional work according to the following scale:

<i>Index of scholarship</i>	<i>Maximum load for following semester</i>
1.25-1.74 -----	17½ units
1.75 and above -----	18½ units

First semester freshmen, however, are limited to a maximum load of 17 units.

The approval of the Health Department is also required for students who register for more than the normal program.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

CLASS ENROLLMENT AND ATTENDANCE

For each student who registers for a given class a course card is issued to the instructor. No student may be admitted to class unless the instructor has received his course card.

The College believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should obtain the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Any member of the faculty may exclude from his course any student who has neglected the work of the course, or is discourteous, or persists in practices annoying to the instructor or the class.

CHANGES OF PROGRAM

Necessary program changes may be made during the first four weeks through the Registrar's office with the consent of the student's adviser. Thereafter no program changes may be made. Exceptional cases, however, may be referred to the Scholarship Committee.

To drop a course, the student's procedure is as follows: (1) obtain his course card from instructor, (2) have it signed by adviser, and (3) turn it in at the Registrar's office. To enter a new course, the student should (1) obtain a "Permit to Enter" card from the Registrar, (2) have it signed by his adviser, and (3) exchange it at the Registrar's office for a course card which is filed with the instructor.

WITHDRAWAL FROM COLLEGE

Upon petition, an honorable dismissal may be granted to any student in good standing, provided arrangements have been made with the Registrar.

During the first twelve weeks of any semester, students withdrawing from college with official sanction shall be given a mark of W.

During the last six weeks of any semester, those who withdraw shall be given W's or F's depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college during this period may petition for Incomplete grades. This privilege shall be granted only to those whose work is of passing grade at the time of withdrawal.

Students who neglect to comply with these regulations shall have their courses reported as Failures.

REPORTS TO STUDENTS

At the end of the semester, reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having particular difficulties in certain subjects are periodically interviewed by the President.

CREDIT BY EXTENSION

Students regularly enrolled in the College may be admitted to extension classes upon the approval of the adviser and the President of the College. In such cases the combined program shall be subject to the established load limitations for regular students.

Not more than 30 units (25 per cent) of the 120 units required for the A.B. degree may be taken in extension classes of either the College or other institutions.

PROBATION AND DISQUALIFICATION

Any student whose cumulative average drops below 1.00 (a C average) shall be given a warning notice.

If a student's scholarship index for a semester falls below .50 (midway between a C and a D), he shall be placed upon probation for the ensuing semester.

A student on probation shall not be permitted to enroll for more than $13\frac{1}{2}$ units. To get off probation, he must:

- (a) Complete at least eight units of work during the semester;
- (b) Achieve an index for the semester of .50 or better. (If he wishes to do so, he may attend summer school, averaging his summer grades with those of the preceding semester to achieve the requisite .50.)

A student on probation shall be automatically disqualified if his index for the semester drops below 0 (a grade average of D). Should his semester index be between 0 and .50, he shall remain upon probation for a second semester. At the close of the second probationary semester, if he has failed to achieve the required standard of .50, he shall be disqualified.

The College, at the discretion of the faculty Scholarship Committee, may disqualify also those students who have been registered in school two or more semesters and whose cumulative scholarship index is less than .75.

A student who has been disqualified for unsatisfactory scholarship may apply through the Registrar for re-entrance upon probation after the lapse of one semester.

Students whose personal conduct is unsatisfactory may be disqualified by administrative action at any time.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of its students the College engages a physician and a health director, and maintains a health service program. The college physician examines and counsels students on health problems. At least three medical examinations are given each student as follows:

- (1) At entrance (including a dental examination)
- (2) During the junior year
- (3) Before graduation

Emergency treatment is given in case of accident or illness. Hospital service with special rates in the local hospital

is available to students who make arrangements for such services through the Health Department.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is not permitted to students who are on probation. Participation in inter-collegiate athletics is subject to the rules of the Far Western Conference, of which Humboldt is a member.

FEES AND EXPENSES

STATE FEES

Required

Payable by all students taking more than 5 units at the time of registration.

Registration fee—per semester-----	\$6 50
Materials and service fee—per semester-----	4 00

Occasional

Registration fee for students taking 5 semester units or less— per unit -----	\$2 50
Materials and service fee for students taking five units or less— per unit -----	50
Extension fee—per unit-----	5 00
Nonresident tuition fee—First semester-----	75 00
Each subsequent semester-----	37 50
Late registration fee-----	1 00
Diploma fee at graduation-----	2 50
State credential fee—each credential-----	3 00
Placement service fee (for five sets of recommendations)-----	1 00
Each additional set-----	20
Additional transcripts, each-----	1 00
Special final examinations—each examination-----	1 00

Summer Session

Summer Session registration fee (six weeks)-----	\$25 00
Less than six weeks—per week-----	5 00
Health and Physical Education fee-----	50
Student Body Lecture and Recreation Fund-----	50

Auditors

Persons enrolled in College classes as auditors only are subject to the above fees in same manner as those enrolled for credit.

STUDENT BODY FEES

Fee—per semester -----	\$5 00
Student annual (first semester only)-----	2 50
Physical Education fee—per semester-----	75
Hospitalization and health fee—per semester-----	75

The student body fees are applied to a varied program of student activities, which include music, drama, athletics, the college paper, social activities, and others. It is only through the financial support of the students that this important phase of college life becomes possible. Membership in the associated students is not obligatory, though advisable.

It entitles one to a subscription to the college paper, the *Lumberjack*; admission free or at reduced rates to athletic contests and social functions; and participation in student-body and class activities.

REFUNDS

State tuition fees are not refundable following the close of the month during which they are paid.

STUDENT BODY FEES. These fees are not refunded if a student has participated in any student body activity.

SUMMARY OF EXPENSES FOR REGULAR STUDENT

	<i>Expenses at Registration (Twice a Year)</i>	<i>Approximate Monthly Expenses</i>		<i>Total for School Year (9 months)</i>	
		<i>Minimum</i>	<i>Maximum</i>	<i>Minimum</i>	<i>Maximum</i>
Tuition -----	\$6 50				
Materials and service fee-----	4 00				
Student organization expenses-----	8 00				
(Club dues, year book, hospitalization, physical education fees, etc.)					
Books, papers, and supplies (approx.)-----	12 00				
Board and room-----		\$30 00	\$45 00	\$30 50	\$30 50
Miscellaneous -----		5 00	10 00	270 00	405 00
(Entertainment, laundry, cleaning, etc.)				45 00	90 00
Bus fare: Eureka-Arcata-----		5 00	5 00	45 00	45 00

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are available for needy and deserving students. The College employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. It should be borne in mind, however, that there is usually a waiting list of forty or fifty applicants. Application for employment should be made to the Financial Secretary before registration.

LOAN FUNDS

General Student Loan Fund

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Dean of Men, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration. Rarely are loans made to new students.

The Rotary Club of Arcata has a loan fund available for worthy students recommended by the President.

DEGREES, CREDENTIALS, AND CURRICULA

GENERAL STATEMENT

The curricula offered by the College fall principally into two groups: (1) degree curricula leading to a Bachelor of Arts or a Bachelor of Education degree and (2) lower division curricula. In addition the College offers work leading to two administrative credentials. The various curricula of the College are listed as follows:

I. Degree curricula

A. A.B. Degree with

General Elementary Credential
General Junior High School Credential
Kindergarten-Primary Credential
Special Credential in Physical Education
Combinations of the foregoing credentials

B. A.B. Degree in Liberal Arts, with a major in

Biological Sciences	Social Sciences
Economics and Business	Speech and Dramatics
English	

or with a Group Major

C. A.B. Degree in Liberal Arts, with a pre-secondary major in

Biological Sciences	Social Sciences
English	Speech and Dramatics

D. B.E. Degree (for teachers not holding an A.B. Degree)

II. Lower division curricula

A. Terminal

Commercial Training	Photography
Secretarial Training	Wildlife Management
General Business	
Merchandising	

B. Preparatory for transfer to other institutions

Agriculture

Agricultural Economics
Animal Science
Plant Science

Business Administration

Dentistry

Engineering

Forestry

Home Economics

Law

Liberal Arts or

Letters and Science

Medicine

Nursing

Optometry

Pharmacy

III. Administration and Supervision credentials

A. Elementary School Administration Credential

B. Elementary School Supervision Credential

DEGREE CURRICULA

Bachelor of Arts

The Bachelor of Arts or A.B. degree is granted customarily after four academic years of work in the following forms:

(A) A PROFESSIONAL DEGREE IN CONJUNCTION WITH ONE OR MORE CALIFORNIA TEACHING CREDENTIALS. One of the primary functions of the College is the training of teachers. To that end the College offers work leading to (a) the Kindergarten-Primary Credential, (b) the General Elementary Credential, (c) the General Junior High School Credential, and (d) the Special Secondary Credential in Physical Education. For a detailed description of the academic and other requirements for the A.B. degree and these credentials see pages 41-43 and 75-82.

(B) A NON-PROFESSIONAL DEGREE IN LIBERAL ARTS. The nature of this degree is primarily cultural, as it represents a broad background in the humanities and the sciences. No teaching credential is involved in this case. The degree is, however, of considerable value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The A.B. degree in Liberal Arts is offered with the following majors:

- Biological Sciences (pp. 58-59)
- Economics and Business (pp. 115-16)
- English (p. 86)
- Social Sciences (pp. 116-17)
- Speech and Dramatics (p. 121)
- Group Major (see below)

The basic A.B. degree requirements are given on pages 41-43, the specific major requirements on the pages indicated in the parentheses.

The Group Major consists of 36 units in the upper division, distributed among three subject-fields chosen from the lists of majors and minors on pp. 42-43. The student following this major may, in consultation with his adviser, arrange the distribution of the 36 units in whatever proportion seems best, subject however, to the following requirements:

- (a) Not less than 6 upper division units must be taken in each field, together with the lower division prerequisites; the total of upper division units in any one field should, however, be less than 24.
- (b) Sufficient work must be taken in one field to meet the minimum requirements of the State for a major (see p. 42).
- (c) Sufficient work must be taken in each of the other two fields to meet the minimum requirements of the State for a minor (see p. 43).

(C) A PRE-SECONDARY LIBERAL ARTS A.B. DEGREE. This form of the A.B. degree is intended for those students who plan to obtain the General Secondary Credential qualifying them to teach in the high schools of the State. The College is not authorized to grant this particular credential, which calls for a year of graduate study in an institution authorized to offer the professional courses required for the credential. However, the required A.B. degree in a subject field taught in the secondary schools may be obtained at the College in these fields:

- Biological Sciences (p. 59)
- English (p. 86)
- Social Sciences (p. 116)
- Speech and Dramatics (p. 122)

The basic A.B. degree requirements are given on pages 41-43, the specific major requirements on the pages indicated in parentheses.

In addition to the above curricula the College provides the first three years of work in Business Education, such work being preparatory to completing the requirements for the A.B. degree and the Special Secondary Credential in Business Education at another institution (see p. 69).

Students who intend to obtain a General Secondary Credential are advised to consult the particular requirements of the institution to which they plan to transfer.

Students who plan to obtain a General Secondary Credential at the School of Education of the University of California are directed to the fact that before receiving the credential they must have satisfied:

- (1) Matriculation requirements of the University;
- (2) The requirements for the degree of Associate of Arts of the University (see p. 45 of this catalog);
- (3) The following minimum scholarship index requirements of the School of Education:

Upper division work	1.50
Postgraduate work	1.75
Educational courses	1.00
Work for the major	1.75
Work for the minor	1.00

General Requirements for the Bachelor of Arts Degree in All Forms

Of the two degrees which the College is authorized to grant, the A.B. degree in its three forms is by far the more commonly awarded. To receive this degree, whether in conjunction with a California teaching credential or as a non-professional degree in liberal arts, the student must fulfill certain basic requirements set up by the State Department of Education and the College. They are the following:

Units. A minimum of 120 units is necessary for graduation. Of these at least 40 units must be selected from upper division courses. Not more than 60 units taken in any one department may be counted toward fulfillment of the total number of units for graduation. For maximum units in Education, see p. 75.

Residence. At least 24 of the 120 or more units for graduation must be completed at this College in residence.

Of the minimum of 24 units not more than 12 may be taken in the extension division of the College. Six of the last 30 units taken for a degree must be taken *in residence* at the College.

Subjects. All candidates for the degree must take:

Social Science	14 units
Nearly all of the four-year curricula stipulate that the 14 units be taken in the lower division.	
Biological and physical sciences	14 units
Twelve of these units must be taken in the lower division, with the provision that the total number may be reduced by substituting equivalent work in high school at the discretion of the Department of Biological and Physical Sciences.	
English (in the lower division)	6 units
Psychology (in the lower division)	3 units
Physical Education (in the lower division; see p. 107) ..	2 units
American Government	2 units

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A *major* is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the Junior High School Credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 60) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Biology	Biological Sciences	Biological Sciences
English	Economics and Business	English
Health and Hygiene	English	Social Sciences
Home Economics	Group Major	Speech and Drama
Industrial Education	Social Sciences	
Music	Speech and Drama	
Physical Education		
Social Sciences		
Speech and Drama		

A *minor* is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	English	Music, Vocal or
Biology	French	Instrumental
Botany	Health and Hygiene	Physical Education
Commerce	History	Social Sciences
Economics	Home Economics	Speech and Dramatics
Education	Industrial Education	Zoology
	Mathematics	

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with the degree.

Bachelor of Education

The Bachelor of Education or B.E. degree is designed for successful teachers in the field who would find difficulty in meeting all the requirements for the A.B. degree but who wish to have a modern bachelor's degree. The degree is professional in character, carries no credential with it, and is not intended to qualify its recipients for graduate standing in the universities.

The California State Board of Education on January 7, 1937, authorized the seven State Colleges to grant this degree, the requirements for which are based upon an evaluation of successful experience and educational activities as a substitute for certain academic and professional courses.

The operation of this curriculum will not extend beyond February 1, 1947. All applications for candidacy must have been filed and at least six semester hours of work have been completed before February 1, 1942. All the requirements must

be completed and the degree conferred prior to February 1, 1947.

Recognized candidates for this degree who wish information about requirements, fields of study, and courses should write to the College Registrar.

LOWER DIVISION CURRICULA

The College offers two types of lower division curricula. The first is terminal in character and is offered in the following fields:

Commercial Training (pp. 70-71)

Secretarial Training

General Business

Merchandising

Photography (p. 59)

Wildlife Management (p. 60)

The second type comprises a number of lower division curricula, the continuance of which in the upper division the College is not equipped to provide. Most of such curricula are pre-professional or technical in character, and are designed to meet the needs of those students who plan to obtain a Bachelor of Arts or a Bachelor of Science degree or a certificate of completion at some other institution, but who wish to do the lower division work at Humboldt. *These students should acquaint themselves with the particular requirements of the institutions to which they intend to transfer and should ascertain which of the courses offered at the College will be accepted in preparation for their chosen fields of study.*

The following curricula are the more common fields of study in which the College offers lower division courses. These curricula are suggestive rather than fixed, since the specific course requirements of other institutions may vary. Nor is the list of lower division curricula complete; others may be arranged if the demand presents itself.

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University. To aid the student in planning his course, the requirements for the degree of Associate of Arts, which the University grants upon completion of the lower division work, are given here:

- (a) Subject A.
- (b) *Foreign languages.* At least 15 units in not more than two languages. (Each year of high school work in a foreign language will count 3 units towards this requirement.)
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: *Anthropology, Botany, Chemistry, *Geography, Geology, Physics, Physiology, and Zoology, including a year course in a laboratory science. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of *three* of the following groups:
- (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy
 - (6) Fine Arts

Agriculture

Recommended Sequence

Agricultural Economics

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Orientation 1 -----	1	
Philosophy 6A-6B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	$16\frac{1}{2}$	$15\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Geology 1A -----	3	
Psychology 1 -----		3
Commerce 14A-14B -----	3	3
Zoology 1A -----	4	
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	$15\frac{1}{2}$	$15\frac{1}{2}$

* Anthropology 1A and Geography 1 may be used in partial satisfaction of the natural science requirement; if either is so used, it may not be included as part of the social sciences requirement.

Animal Science**FRESHMAN YEAR**

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----	5	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Plant Science**FRESHMAN YEAR**

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Geology 1A -----	3	
Botany -----		4
Electives -----	3	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Business Administration

This curriculum is planned to prepare the student for entrance into the School of Business Administration at the University of California (Berkeley), which requires junior standing in the College of Letters and Science or certain other colleges for entrance and which grants the B.S. degree at the end of the senior year. This lower division curriculum is based

on the requirements of the Associate of Arts degree (see p. 45). Only Economics 1A-1B, Economics 40, Mathematics 2 or 3A are specifically required. Geography 1 and 2 (for total of 6 units) are recommended. Additional science may be substituted in certain cases for part of the language requirement.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Foreign Language -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Mathematics 1 (if needed to meet Mathematics 2 pre-requisite) -----	3	
Geography 2 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Economics 1A-1B -----	3	3
Foreign Language -----	3	3
Science -----		3
Geography 1 -----	3	
Mathematics C (if needed to meet Mathematics 2 pre-requisite) -----	3	
Mathematics 2 -----		3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Dental

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B } -----	3	3
or } -----		
†Year course } -----		
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
Electives (Foreign Language if necessary to complete 15 units for junior certificate) -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the degree of Associate of Arts in the College of Letters and Science of the University of California.

* Required if student did not have a course in Physics in high school.

† Chosen from the Associate of Arts list, group (e), p. 45.

Pre-Engineering

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Forestry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Physics 2A-2B -----	3	3
Civil Engineering 1A-1B -----	3	3
Geology 1A or Geography 1 -----	3	
Botany 4 -----		3
Economics 1A-1B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Home Economics

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 -----		2
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
History 4A-4B -----	3	3
Home Economics 1, 3 -----	3	3
Orientation 1 -----	1	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Art 2 -----		3
Bacteriology 1 -----	4	
Biology 10A -----	3	
Chemistry 8 -----		3
Economics 1A-1B -----	3	3
Home Economics 11, 20 -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 -----		3
Speech 1A -----	3	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

Pre-Legal

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French 1A-1B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	2	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

French 2A-2B -----	3	3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$

Liberal Arts

See the requirements for the degree of Associate of Arts, College of Letters and Science, University of California, listed on p. 45 of this catalog.

Pre-Medical

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French 1A-1B -----	3	3
History 4A-4B -----	3	3
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
French 2A-2B -----	3	3
Year Course from group (e) ¹ -----	3	3
Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Nursing

See p. 112.

¹ See p. 45.

Pre-Optometry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B (Comp. and Lit.) -----	3	3
*Foreign Language -----	3	3
Orientation 1 -----	1	
Health & Hyg. 1 (Hygiene) -----		2
Phys. Educ. (Activities) -----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (Gen. Physics Lectures) -----	3	3
Physics 3A-3B (Gen. Physics Laboratory) -----	1	1
Psychology 1 (General Psychology) -----	3	
Elective -----	2	3
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 1A-1B (General Chemistry) -----	5	5
Mathematics 3A-3B (Plane Anal. Geom. and Calculus) ---	3	3
Phys. Educ. (Activities) -----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 (Introductory Physiology) -----		5
*Year Course (Group e) -----	3	3
Elective (Bacteriology 1 recommended) -----	4	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Pharmacy

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

* See the requirements for the degree of Associate of Arts, College of Letters and Science, University of California, listed on p. 45 of this catalog.

† Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A or Speech 1A.

ADMINISTRATION CREDENTIAL CURRICULA

The College offers work leading to the Elementary School Administration Credential and the Elementary School Supervision Credential. The professional courses in Education are customarily offered during the summer session. The requirements for these credentials are given in detail on page 85.

AERONAUTICS*

In conjunction with the Pierce Flying Service of Eureka the College has been authorized by the Civil Aeronautics Authority to give work leading to a private pilot certificate. This flight course is outlined and largely financed by the federal government. It consists of ground work of approximately 72 hours in theory given at the College and 50 hours of flight training given by the Pierce Flying Service.

This course is open to a limited number of men who (1) are between the ages of 18 and 24 inclusive, (2) have passed the medical examination given by an authorized examiner, and (3) are full-time students at the College with at least sophomore standing, or, if not enrolled in the College, have had at least two years of college work. It is open to students who have a secondary interest in aviation as well as those who have chosen some branch of aeronautics as a vocation or profession. College credit will be given to those who wish it and who are enrolled in the College (see Aeronautics under "Description of Courses"). A fee of \$15 is charged each enrollee to cover the cost of insurance and the medical examination.

For further information and for making application communicate with Mrs. Claire Gustafson, Secretary to the President, Humboldt State College.

* At present this flight course has been suspended until the federal government lifts the ban on civilian flying in the Pacific coast area.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and seniors as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open only to students who have attained upper division status and who have completed a lower division course or courses deemed preparatory by the department concerned. Sometimes they are elementary courses in subjects of such advanced character as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399, inclusive. They are open only to upper division or graduate students.

Courses designated with a letter only (e.g., Mathematics C) are courses of high school level that are taught in college.

The semester in which a course is taught is indicated parenthetically after the title. Those courses designated "year" run consecutively through both the fall and spring semesters.

A course designated by a double number (e.g., History 4A-4B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first number in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where parts of a course with the same number are listed separately, e.g., Physical Education 192A, Physical Education 192B, the A part is not prerequisite to the B part, unless explicitly so stated.

Some courses are designated by a number and a succession of letters without repetition of the number before each letter, e.g., Speech 25A, B, C, D. In such instances the letters indicate the number of times the particular course may be taken for credit.

Because of varying exigencies from semester to semester in making up the schedule of classes, the instructor and time and place of meeting of each course of instruction are not given in the following descriptions. At the end of each semester a schedule of classes, containing such information for the following semester, is made up and mimeographed for distribution.

AERONAUTICS

For additional details see p. 53.

- | | |
|--|---------|
| *1. C. A. A. Ground Course (fall, spring) | 4 units |
| Meteorology, navigation, and civil air regulations. | |
| *2. C. A. A. Flight Course (fall, spring) | 1 unit |
| Flight training leading to the civilian's pilot license. | |

ART

MINOR REQUIREMENTS

<i>Minor in Art</i>		
Lower Division	Art 1.....	2 units
	Art 6.....	3 units
	Additional L. D. Art.....	1 unit
Upper Division	Art 115A.....	3 units
Total units required	Additional U. D. Art.....	3 units
	12 units	

A liberal arts group major which includes Art may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

DESCRIPTION OF COURSES

LOWER DIVISION

- | | |
|---------------------------------|---------|
| 1. Art Structure (fall, spring) | 2 units |
|---------------------------------|---------|

Analysis of structural principles of art; the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.

Two one-hour periods per week.

- | | |
|--------------------|---------|
| 2. Design (spring) | 3 units |
|--------------------|---------|

The organization of line, mass, space, volume, and color into patterns for surface decorations.

Prerequisite: Art 1.

Three one-hour periods per week.

* Not given 1943-44.

3. Art Appreciation (fall) 3 units

A study of the development of art through the early historic periods and of schools in architecture, sculpture, painting, and minor arts up to the 20th century.

Three one-hour periods per week.

4. Graphic Expression (spring) 3 units

A study of form and space in proportion and composition, expressed with line, value, and color.

Three two-hour periods per week.

6. Elementary Crafts (fall) 2 or 3 units

Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft.

Two or three one-hour periods per week.

7. Puppetry (spring) 2 or 3 units

Puppetry and its stagecraft.

Two or three one-hour periods per week.

8. Knitting Craft (fall, spring) 1 or 2 units

Knitting as an art craft. Students learn to knit twenty or more patterns and to create patterns of their own. Each student knits a garment for herself and one for the Red Cross. Students provide their own materials.

One or two one-hour class periods and two or four hours of outside work per week.

15. Lettering (fall) 3 units

Practice in the technique of lettering; use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm; study of the various types of letters.

Three one-hour periods per week.

20 or 120. Flower Arrangement (fall, spring) 1 unit

Application of the basic principles of art to the arrangement of flowers.

One one-hour period per week.

UPPER DIVISION**102. Applied Design (spring) 3 units**

Advanced problems in original design, both structural and decorative, suitable for industrial uses; application of some of the designs to materials.

Prerequisite: Art 1 and Art 2.

Three one-hour periods per week.

104. Advanced Graphic Expression (spring) 1, 2, or 3 units

The student works in any medium he wishes and furnishes his own materials.

Prerequisite: Art 4.

Two, four, or six one-hour periods per week.

106. Advanced Crafts (fall) 1, 2, or 3 units

Plastic modeling and carving in wood, soap, and other media.

Prerequisite: Art 6 or its equivalent.

One, two, or three one-hour periods per week.

115A. Lettering (fall) 3 units

Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the College.

Three one-hour periods per week.

115B. Advanced Lettering (fall) 3 units

Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of books. Continuation of poster service for college activities.

Prerequisite: Art 15 or Art 115A.

Three one-hour periods per week.

120. Flower Arrangement (fall, spring) 1 unit

See Art 20.

190. Practicum in Art (fall, spring) 2 units

Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation and some participation in teaching. May be applied in satisfaction of major and minor requirements in Art.

Prerequisite: Art 1.

BIOLOGICAL AND PHYSICAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN BIOLOGICAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Biological Sciences -----	16
(See tabulation of major requirements on p. 61.)	
English	
1A-1B (Composition and Literature) -----	6
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Health and Hygiene	
1 (Hygiene) -----	2
Physical Education	
Activities (one-half unit each semester) -----	2
Physical Sciences -----	8
Chemistry 1A (General Chemistry) -----	5
Physics 10 (Introduction to Modern Physics) -----	3
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6
Geog. 2 (Cultural and Regional Geography) -----	2
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics or History 4A-4B plus six units of upper division History.)	

UPPER DIVISION

Biological Sciences -----	24
(See tabulation of major requirements below.)	
Physical Science	
Chemistry 108 (Organic Chemistry) -----	3
Political Science	
151 (American Constitutional Government) -----	2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major. However, not more than 60 units of work in the Biological and Physical Sciences may apply towards the A.B. degree.

COURSE REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN BIOLOGICAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Biological Sciences, with these additional requirements:

- (a) Education (upper division)----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 41.

The total number of units required remains the same, i.e., 120.

TWO-YEAR TERMINAL CURRICULUM IN PHOTOGRAPHY

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 (Art Structure)-----	2	
Art 2 (Design)-----		2
Art 15 (Lettering)-----	3	
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Comp. and Lit.)-----	3	3
Health & Hyg. 1 (Hygiene)-----		2
History 4A-4B (Western Civilization)-----	3	3
Orientation 1-----	1	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 20 (Elementary Photography)-----		2
Elective-----		3
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Art 3 (Art Appreciation)-----	3	
Commerce 2A (Typewriting)-----	2	
Commerce 14A (Accounting)-----	3	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (General Physics Lectures)-----	3	3
Physics 21 (Advanced Photography)-----	2 or 3	
Physics 22 (Applied Photography)-----		2 or 3
Pol. Sci. 151 (American Constitutional Government)-----		2
Psychology 1 (General Psychology)-----		3
Speech 1A (Public Speaking)-----		3
Speech 25A (Dram. Workshop—Lighting)-----	2	
Elective-----		2
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$ -16 $\frac{1}{2}$

TWO-YEAR TERMINAL CURRICULUM IN WILDLIFE MANAGEMENT

This curriculum is designed to prepare students for work on private game farms and for work with the fish and game commissions of the State and Federal governments.

Since students seeking positions in wildlife management will be competing with college graduates who have a four-year A.B. or B.S. degree, it is strongly urged that students take the regular A.B. in Biological Sciences and elect the specialized courses in Wildlife Management.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 4 (Classification of Flowering Plants)-----		3
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Comp. and Lit.)-----	3	3
Health & Hyg. 1 (Hygiene)-----	2	
Orientation 1-----	1	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Wlf. Man. 10 (Conservation of Wildlife)-----	3	
Wlf. Man. 60 (Game Bird Management)-----		3
Zoology 1A-B (General Zoology)-----	4	4
Elective -----		2
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 (General Bacteriology)-----	4	
Botany 1B (General Botany)-----		4
Botany 110B (Systematic Botany)-----		3
Economics 1A-1B (Principles of Econ.)-----	3	3
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Pol. Sci. 151 (American Constitutional Government)-----	2	
Speech 1A (Public Speaking)-----	3	
Wlf. Man. 53 (Hatchery Biology)-----		3
Wlf. Man. 62. (Diseases of Game Birds)-----	3	
Zoology 165 (Ornithology)-----		3
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major in Biological Sciences</i>	<i>Junior High School Major in Biological Sciences</i>
Lower Division	Botany 1A-1B----- 8 units Zoology 1A-1B----- 8 units Recommended electives: Bacteriology 1, Botany 4, Zoology 4, Geology 1A, Physiology 1, Anatomy 66, Anthropology 1.	Biol. 10A-10B ----- 6 units Botany 4 ----- 3 units Zoology 4 ----- 3 units
Upper Division	Emphasis must be on either Botany or Zoology— Botany emphasis Biol. 114----- 3 units Bot. 110A-110B----- 6 units At least 15 units chosen from— Biol. 101----- 3 units Biol. 103----- 2 or 3 units Biol. 199----- 1 to 3 units Bot. 101A-101B----- 6 units Bot. 105----- 3 units Bot. 107----- 3 units Bot. 114----- 3 units Zoology emphasis Biol. 114----- 3 units Zool. 112-113----- 6 units At least 15 units chosen from— Biol. 101----- 3 units Biol. 103----- 2 or 3 units Biol. 199----- 1 to 3 units Zool. 104----- 3 units Zool. 160----- 3 units Zool. 165----- 3 units	12 units of U. D. Biology, Botany, or Zoology
Total units required	40 units	24 units

	<i>Biology Minor</i>	<i>Botany Minor</i>	<i>Zoology Minor</i>
Lower Division	Biology 10A-10B_6 units	Botany 1A-1B-----8 units or Biology 10A-10B____6 units and Botany 4____3 units	Zoology 1A-1B____8 units or Biology 10A-10B_6 units and Zoology 4____3 units
Upper Division	6 units chosen from— Biology 101-----3 units Biology 114-----3 units Botany 114-----3 units Botany 107-----3 units Botany 110A-110B 6 units Zoology 165 -----3 units	6 units chosen from— Any U. D. Botany course Biology 114-----3 units The Biology minor is recommended for credential candidates but is not advised for students planning to transfer to or do graduate work at a university.	6 units chosen from— Any U. D. Zoology course Biology 101-----3 units Biology 114-----3 units
Total units required	12 units	14 or 15 units	14 or 15 units

DESCRIPTION OF COURSES

Biological Sciences

*Anthropology****1A. General Anthropology (spring) 3 units**

An account of the origin and development of human races, the nature of man, and his place in the biological world.

Three one-hour periods per week.

*Bacteriology***1. General Bacteriology (fall) 4 units**

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases.

Two one-hour lecture and two three-hour laboratory periods per week.

Biology

LOWER DIVISION

10A-10B. General Biology (year) 3-3 units

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life.

Two one-hour lecture periods and one three-hour laboratory period per week.

UPPER DIVISION

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

***101. Marine Biology (summer session) 3 units**

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

***103. Micro-Technique (fall) 2 or 3 units**

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two or three three-hour periods per week.

114. Heredity and Evolution (fall) 3 units

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

190. Elementary School Science (fall) 2 units

Objectives, methods, and content of the elementary school science program.

Two one-hour periods per week.

* Not given 1943-44.

199. Special Problems (fall, spring) 1-3 units

Open to majors in Biological Sciences. Student and problem to be approved by the department. Student carries on independent study and investigation in consultation with instructor assigned to him.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

LOWER DIVISION

1A-1B. General Botany (year) 4-4 units

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Field trips will be made to points near the College, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week.

4. Classification of Flowering Plants (spring) 3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 4.

***101A-101B. Mycology (year) 3-3 units**

First semester: Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

Second semester: Basidiomycetes and fungi imperfecti.

One lecture and two three-hour laboratory periods per week.

***105. Plant Anatomy (fall) 3 units**

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

* Not given 1943-44.

107. Plant Ecology (fall)**3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of native plants to this area.

Three one-hour periods per week.

110A-110B. Plant Taxonomy (year)*3-3 units**

First semester: A study of the forest trees and shrubs, with field identification, and a critical study of the characters and habits of gymnosperms.

Second semester: A study of representative orders of flowering plants; their habits, growth, structure, classification, and geographical distribution.

One one-hour lecture and two three-hour laboratory periods per week.

114. Advanced Ornamental Plants (spring)**3 units**

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods per week.

Physiology and Anatomy**1. Elementary Physiology (spring)****5 units**

A general introductory course on human physiology.

Three one-hour lecture and two three-hour laboratory periods per week.

66. Human Anatomy (fall)**3 units**

Demonstration and laboratory study of human dissections, models, and prepared microscopic slides. Designed particularly for nurses and Physical Education majors.

Prerequisite: Zoology 1A.

One one-hour lecture and two three-hour laboratory periods per week.

Wildlife Management**10. Conservation of Wildlife (fall)****3 units**

Conservation of fishes, birds, mammals, and the related associations of fields, forests, and waters. A survey of scientific methods applied to conservation. Field trips to conservation projects being undertaken in the immediate region.

Three one-hour periods per week.

* Not given 1943-44.

53. Hatchery Biology (spring)

3 units

A study of the problems involved in the artificial propagation of fishes, with practical work on salmonoid fishes in the College hatchery.

Two one-hour periods per week and additional work in the hatchery.

60. Game Bird Management (spring)

3 units

A review of artificial and seminatural methods of rearing upland game birds and water fowl. Quail and pheasant chicks obtained from the Bureau of State Game Farms will be reared to liberation age and released by students. Field trips to State Game Farms.

Three one-hour periods per week.

62. Diseases of Game Birds (fall)

3 units

Three one-hour periods per week.

Zoology

LOWER DIVISION

1A-1B. General Zoology (year)

4-4 units

First semester: An introduction to the facts and principles of animal biology with special reference to the structure, function, and evolution of animals.

Second semester: Structure and development of chordates, including the study of a mammal.

Two one-hour lecture and two three-hour laboratory periods per week.

***4. Animal Classification (fall)**

3 units

Elementary classification and natural history of the common vertebrates and invertebrates; life histories and methods of conservation. Emphasis is on the animal life of the Humboldt bay region. Designed for teaching credential candidates who do not elect Zoology 1A.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 4.

***104. Field Zoology (fall)**

3 units

Collection, identification, and preservation of common invertebrates and vertebrates of Humboldt Bay region. Discussion of ecological relationships. Each student works on an individual problem.

Two one-hour lecture and one three-hour laboratory periods per week.

112. Invertebrate Zoology (fall)

3 units

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lecture and one three-hour laboratory periods per week.

* Not given 1943-44.

113. Natural History of Vertebrates (spring) 3 units

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification.

Two one-hour lecture and one three-hour laboratory periods per week.

***160. Embryology (fall) 3 units**

The maturation of egg and sperm; fertilization; and the early development of the amphibian, chick, and mammal.

Two one-hour lecture and one three-hour laboratory and demonstration periods per week.

***165. Ornithology (spring) 3 units**

A study of birds, which includes taxonomy, life histories, migration, habits, and special modifications. Identification of birds in field and laboratory.

Two one-hour lecture and one three-hour laboratory periods per week.

Physical Sciences***Chemistry*****LOWER DIVISION****†1A-1B. General Chemistry (year) 5-5 units**

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure.

Prerequisites: High school chemistry or Chemistry 2, and at least two years of high school mathematics.

Three one-hour lecture and two three-hour laboratory periods per week.

2. Elementary Inorganic Chemistry (fall) 3 units

A general survey of inorganic chemistry for those who need only an elementary knowledge of the subject, such as nurses and majors in home economics, wildlife management, photography, etc. Lectures and demonstrations.

Two one-hour lecture periods and one two-hour laboratory-demonstration period per week.

UPPER DIVISION***108. Organic Chemistry Lectures (spring) 3 units**

A survey of the carbon compounds.

Prerequisite: Chemistry 1A-1B or Chemistry 2.

Three one-hour lecture periods per week.

* Not given 1943-44.

† Given if sufficient demand.

- †109. **Organic Chemistry Laboratory** 3 units
 Study of the carbon compounds in the laboratory. Taken concurrently with or after Chemistry 108.
 Three three-hour laboratory periods per week.

Geology

- 1A. **General Geology (fall)** 3 units
 A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.
 Three one-hour periods per week and field trips.

Physics

- 1A-1B. **Physics (year)** 3-3 units
 First semester: The elementary principles of mechanics.
 Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.
 Prerequisites: Three years of high school mathematics, including trigonometry (which may be taken concurrently).
 Two one-hour lecture and one three-hour laboratory periods per week.

- *1C-1D. **Physics (year)** 3-3 units
 First semester: Electricity and magnetism.
 Second semester: Sound and light.
 Prerequisites: Physics 1A-1B.
 Two one-hour lecture and one three-hour laboratory periods per week.

- 2A-2B. **General Physics Lectures (year)** 3-3 units
 A general survey of physics for non-engineering students. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

- †3A-3B. **General Physics Laboratory (year)** 1-1 unit
 Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity. To accompany Physics 2A-2B.
 One three-hour laboratory period per week.

10. **Introduction to Modern Physics (spring)** 3 units
 A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy, heat, light, sound, electricity, and atomic structure.

Three one-hour periods per week.

† Given if sufficient demand.

* Not given 1943-44.

20. Elementary Photography (spring) 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

One one-hour lecture and one three-hour laboratory periods per week.

21. Advanced Photography (fall, spring) 2 or 3 units

Qualified students undertake work along various specialized lines. Prerequisite: Physics 20 and consent of the instructor.

Hours to be arranged.

22. Applied Photography (fall, spring) 2 or 3 units

Students are placed in commercial photographic studios where experience under actual working conditions may be secured.

Open to a limited number of specially qualified students.

Hours to be arranged.

†30. Elementary Meteorology (fall) 3 units

Absorption and distribution of solar energy; structure and dynamics of the atmosphere; and methods of recording and predicting the weather. Designed especially for students in aeronautics.

Three one-hour periods per week.

CIVIL ENGINEERING

See Mathematics and Philosophy, Division of Civil Engineering.

† Given if sufficient demand.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

FIRST THREE YEARS OF PRE-SECONDARY CURRICULUM IN BUSINESS EDUCATION

This curriculum is directed towards an A.B. degree with a major and Special Secondary Credential in Business Education. To complete the work for the degree and credential the student will have to transfer to another institution equipped to give the more advanced courses required in this curriculum.

The State requires 1000 hours or six months of acceptable business experience.

FRESHMAN YEAR

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
Com. 2 (Typewriting)-----	2	*Com. 2 (Typewriting)-----	2
Com. 5 (Bus. Machines) } or Com. 1A--	5	*Com. 14B (Accounting)-----	3
Com. 14A (Accounting) }		Com. 21 (Business Math.)-----	3
Biol. 10A (General Biology)-----	3	Biol. 10B (General Biology)-----	3
Eng. 1A (Composition)-----	3	Eng. 1B (Comp. and Literature)-----	3
Geog. 2 (Cult. & Reg. Geog.)-----	2	Physical Education-----	$\frac{1}{2}$
Orientation 1-----	1	Speech 1A (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$		
	16 $\frac{1}{2}$		17 $\frac{1}{2}$

SOPHOMORE YEAR

Com. 1A or {Com. 14A}	5	Com. 1B (Shorthand II)-----	5
Com. 5 {Com. 5}		Econ. 1B (Principles of Econ.)-----	3
Art 15 (Lettering)-----	3	Psych. 1 (General Psychology)-----	3
Econ. 1A (Principles of Econ.)-----	3	Speech 1B (Public Speaking)-----	3
Natural Science-----	4	Natural Science-----	4
Physical Education-----	$\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
	15 $\frac{1}{2}$		18 $\frac{1}{2}$

JUNIOR YEAR

Com. 40 (Commercial Law I)-----	3	Com. 41B (Bus. Corresp.)-----	3
Com. 50 (Salesmanship)-----	2	Com. 130 (Commercial Law II)-----	3
Econ. 40 (Elem. Stat. Methods)-----	3	Com. 134 (Marketing)-----	3
Econ. 113 (Econ.-Soc. Hist. U. S.)-----	3	Econ. 120 (Bus. Organization)-----	3
Econ. 135 (Money and Banking)-----	3	Educ. 110 (Educ. Psychology)-----	3
H. H. 1 (Hygiene)-----	2	Pol. Sci. 151 (Amer. Const. Govt.)-----	2
	16		17

* If necessary, Com. 1B may be taken in the freshman year instead of Typewriting and Accounting.

CURRICULA IN COMMERCIAL TRAINING

The College offers three two-year terminal curricula in Commercial Training. (1) A thorough course in Secretarial Training prepares students for stenographic or secretarial positions. (2) Students seeking training in the essential skills and a knowledge of business may enroll in a General Business curriculum. (3) The Merchandising curriculum provides some degree of specialization for students wishing to enter that field of business.

The student electing any one of these curricula must complete a minimum of 60 semester units of college work and must maintain a scholarship average of C in order to receive the two-year diploma.

Course Requirements for Commercial Training Curricula

Suggested Sequence

FRESHMAN YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1A or 1B (Shorthand I or II)-----	5	--	--
Commerce 2A or 2B (Typewriting I or II)-----	2	2	2
Commerce 4 (Spelling)-----	1	1	1
Commerce 40 or 50 (Commercial Law or Salesmanship)-----	3 or 2	3 or 2	3 or 2
Commerce 41A (Business English)-----	3	3	3
Orientation 1-----	1	1	1
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A (Public Speaking)-----	--	3	3
Elective-----	1 or 2	3 or 4	3 or 4
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1B or 1C (Shorthand II or III)-----	5	--	--
Commerce 2B or 2C (Typewriting II or III)-----	2	2	2
Commerce 5 (Business Machines)-----	--	2	2
Commerce 12 (Bookkeeping) or elective ¹ -----	3	3	3
Commerce 21 (Business Mathematics)-----	3	3	3
Commerce 41B (Business English)-----	3	3	3
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	--	3
Speech 1B (Public Speaking)-----	--	3	--
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ Commerce 5 recommended.

SOPHOMORE YEAR

First Semester

Subjects	Units		
	Secretarial Training	General Business	Merchandising
Art 15 (Lettering)-----	---	---	3
Commerce 1C or 1D (Shorthand III or IV)-----	5	---	---
Commerce 2C or 2D (Typewriting III or IV)-----	2	---	---
Commerce 14A (Accounting)-----	3	3	3
Commerce 50 or 40 (Salesmanship or Commercial Law 1)-----	2 or 3	2 or 3	2 or 3
Commerce 71 (Dictation and Transcription)-----	2	---	---
Economics 1A (Principles of Economics)-----	---	3	3
Health and Hygiene 1 (Hygiene)-----	---	---	2
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	---	3	---
Electives-----	1	5 or 4	3 or 2
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Units		
	Secretarial Training	General Business	Merchandising
Commerce 1D (Shorthand) or Electives-----	5	---	---
Commerce 2D or 5 (Typewriting IV or Business Machines)-----	2	---	---
Commerce 14B (Accounting)-----	3	3	3
Commerce 69 (Secretarial Training)-----	3	---	---
Commerce 130 or 134 (Business Law II or Marketing)-----	---	3	3
Economics 1B (Principles of Economics)-----	---	3	3
English 1A (Composition)-----	3	---	---
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 (American Constitutional Gov't)-----	---	---	2
Speech 1B (Public Speaking)-----	---	---	3
Electives-----	---	6	2
Totals-----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$
Total units required-----	60	60	60

Suggested electives: Commerce 4, 5, 12, 40, 50, 134; Economics 113; English 1A; Home Economics 3; Physical Education 2; Psychology 1; Speech 1A, 1B. Students who contemplate the possibility of transferring later to a four-year degree curriculum would do well to choose some electives in the biological and physical sciences.

MAJOR AND MINOR REQUIREMENTS

Liberal Arts Major in Economics and Business		Minor in Commerce	
Lower Division	See tabulation under Department of Social Sciences, p. 116 Includes Commerce 14A-14B ----- 6 units Commerce 40 ----- 3 units	Commerce 40 ----- Additional L. D. Commerce -----	3 units 3 units
Upper Division	See tabulation under Department of Social Sciences, p. 116 Includes Commerce 130 ----- 3 units Commerce 134 ----- 3 units	Commerce 130 ----- Commerce 134 -----	3 units 3 units
Total units required	42 units	12 units	

DESCRIPTION OF COURSES**LOWER DIVISION****1A. Shorthand I (fall, spring) 5 units**

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. Shorthand II (fall, spring) 5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Prerequisite: Commerce 1A or its equivalent.

Five one-hour periods per week.

1C. Shorthand III (fall, spring) 5 units

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Prerequisite: Commerce 1B or its equivalent.

Five one-hour periods per week.

1D. Shorthand IV (fall, spring) 5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a systematic speed course for advanced writers.

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

2A. Typewriting I (fall, spring) 2 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time.

Six one-hour periods per week.

2B. Typewriting II (fall, spring) 2 units

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Prerequisite: Commerce 2A or its equivalent.

Six one-hour periods per week.

2C. Typewriting III (fall, spring) 2 units

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.

Prerequisite: Commerce 2B or its equivalent.

Six one-hour periods per week.

2D. Typewriting IV (fall, spring) 2 units

Advanced drills for accuracy and speed; law office typing; actual secretarial practice, including work with the dictaphone.

Prerequisite: Commerce 2C or its equivalent.

Six one-hour periods per week.

4. Spelling (fall) 1 unit

A study of words used in business and industry with special drill on those commonly misspelled.

Two one-hour periods per week.

5A,B. Business Machines (fall, spring) 2 units

An intensive study of modern office machinery, including adding and calculating machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.

Six one-hour periods per week.

12. Bookkeeping (spring) 3 units

An introductory course in present-day theory and practice. Designed for those students with an employment objective who desire practical training in bookkeeping.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

First semester: An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Second semester: A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, nonprofit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspects of accounting.

Prerequisite: Commerce 12 or its equivalent.

Three one-hour periods per week.

21. Business Mathematics (spring) 3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

***40. Commercial Law I (fall) 3 units**

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. Business English and Correspondence (year) 3-3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

50. Salesmanship (fall) 2 units

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

69. Secretarial Training (spring) 3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances. Practical secretarial problems involving personality studies and business etiquette; the telephone, transportation, interviewing callers, keeping business calendars; and sources of material on business subjects.

Prerequisite: Commerce 2B and 41A-41B.

Nine one-hour periods per week.

71. Dictation and Transcription (fall) 2 units

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Prerequisite: Commerce 1C or its equivalent.

Six one-hour periods per week.

UPPER DIVISION***130. Commercial Law II (spring) 3 units**

Civil Code of California; corporation law; law of personal and real property, carriers, trademarks, copyrights, bailments; and law of bankruptcy. Textbook, cases, and lectures.

Prerequisite: Commerce 40.

Three one-hour periods per week.

134. Marketing (spring) 3 units

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Prerequisite: Upper division status.

Three one-hour periods per week.

EDUCATION AND TEACHER TRAINING

REQUIREMENTS FOR THE A.B. DEGREE WITH A CREDENTIAL

Credential curricula offered. The College offers curricula leading to the Kindergarten-Primary Credential, the General Elementary Credential, the General Junior High School Credential, the special Secondary Credential in Physical Education, the Elementary School Administration Credential, and the Elementary School Supervision Credential. Ordinarily neither the Kindergarten-Primary curriculum nor the General Junior High School curriculum is taken independently of the General Elementary curriculum, for either credential by itself is not practical in the northwestern part of the State.

Units required. For the A.B. degree with one credential 120 units are required. Not more than 40 units in Education or any one subject field may be applied toward a credential. For each additional credential 12 more units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in nonprofessional fields of study.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is 24 units completed at this College. Of these 24 units not more than 12 may be taken in the extension division of the College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Fundamentals. All candidates for a credential are required to show an everyday working knowledge of the fundamental subjects in the elementary school curriculum—English grammar, arithmetic, history, geography, and spell-

ing. Standardized tests in these subjects are given in the class in Curriculum Activities (Education 133). A satisfactory score in these achievement tests is prerequisite to Education 320, 321, 322, and 323.

Majors and minors. Candidates for all teaching credentials must complete a major in Education. In addition, candidates for the General Elementary and the Kindergarten-Primary Credentials must complete a major in Education and two minors. Candidates for the General Junior High School Credential are required to complete a major in Education, a major in a subject field taught in junior high school, and one minor. Candidates for the Special Secondary Credential in Physical Education complete a major in Physical Education, and minors in Education and a subject field. When this credential is taken in conjunction with another credential, the student completes a major in Education instead of a minor. The list of available majors and minors is found on pages 42-43.

Scholarship. In addition to the requirement of a scholarship average of C for graduation with the A.B. degree, the College requires that candidates for a teaching credential maintain a general scholarship average of C and a grade of C or better in all courses in Education taken before enrolling in Education 133, 134, 192, 310, 320, 321, 322, and 323. Candidates for the General Junior High School Credential must maintain an average of C also in the teaching major and minor.

In their student teaching candidates must do satisfactory work, i.e., equivalent to a grade of "C" or better. If a student teacher falls short of the required standards, he or she will be given an Incomplete and allowed another semester's trial. If the second semester's work is unsatisfactory, it may be assumed that the candidate lacks the requisite qualities for successful teaching. However, every effort is made to ascertain whether or not a candidate possesses these qualities before allowing him to undertake student teaching. Only a grade of + or F is given for student teaching; no letter grades are given. The units of the student teaching courses do not figure in the calculation of the candidate's scholarship index.

Student teaching. Before being permitted to undertake student teaching a candidate for a teaching credential must have given evidence of (a) an adequate knowledge of the fundamentals, (b) the personal qualities essential to success and desirable in a teacher, and (c) physical fitness.

Student teaching offers a highly profitable experience to the prospective teacher. In order to increase his or her chances for success and to minimize possible discouragement the student is brought gradually to his classroom responsibilities. In the preparatory courses in Education an attempt is made wherever possible to relate theory to the schoolroom activities, with the College Elementary School as the laboratory. This is especially true in Growth and Development of the Child, Curriculum Activities, Teaching I, and the Practicums in Art, Music, and Physical Education. The prospective teacher is enabled thereby, before undertaking supervised teaching in the Elementary School, to familiarize himself with classroom conditions, procedures, and activities, with the books and materials of the classroom, and with the habits and learning processes of children. Then, in either semester of the senior year the prospective teacher teaches under trained supervisors for three hours a day. Nine weeks is spent teaching a lower grade and nine weeks an upper grade.

Concurrently with student teaching, the prospective teacher takes Rural Education and Philosophy of Education. Wherever possible no other classes are to be taken during the semester that the student is doing student teaching.

Required courses. The courses required for the several credentials are listed in the following recommended sequences.

Course Requirements for A.B. Degree with Teaching Credential

The sequence of required courses listed on the following pages is not inflexible, but is suggested as the one which eliminates program conflicts. Courses which are offered both semesters may be taken out of sequence without creating serious program conflicts. *Courses offered only once during the year should be taken in the semester recommended in the sequence.*

FRESHMAN YEAR

First Semester

Subjects	Units			
	Gen. Elem. and		Gen. Elem. and	
	Gen. Elem.	Gen. Jr. H.S.	Kinder.-Prim.	Special P.E.
Biology 10A ¹ -----	3	3	3	—
English 1A* -----	3	3	3	3
Health and Hygiene 1 -----	2	2	2	2
History 4A -----	3	3	3	3
Orientation 1 -----	1	1	1	1
Orientation 2 -----	1	1	1	1
Phys. Educ. 5 or 15 -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Zoology 1A -----	—	—	—	4
Elective -----	2	2	2	2
	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem. and		Gen. Elem. and	
	Gen. Elem.	Gen. Jr. H.S.	Kinder.-Prim.	Special P.E.
Art 1 -----	—	—	—	2
Biology 10B ¹ -----	3	3	3	—
English 1B -----	3	3	3	3
History 4B -----	3	3	3	3
Music 10* -----	3	3	3	3
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physiology 1 -----	—	—	—	5
Speech 2A -----	—	—	—	3
Elective or Minor -----	3	3 (or Major)	3	3
Totals -----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	17

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Anatomy 66	---	---	---	3
Art 1	2	2	2	---
Economics 1A	3	3	3	---
Geology 1A ²	3	3 ³	3	---
Music 10*	---	---	---	3
Music 60A	1½	1½	1½	---
Phys. Educ. Activity	1½	1½	1½	1½
Phys. Educ. 26A	---	---	---	---
Minor	3	3	3	3
Elective	3	3 (or Major)	3	3
Fundamentals (tests)	0	0	0	0
Totals	15	15	15	16

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Economics 1B	3	3	3	3
Geography 2*	2	2	2	2
Psychology 1	3	3	3	3
Phys. Educ. Activity	1½	1½	1½	1
Physics 10*	3	3 ³	3	3
Speech 2A	3	3	3	---
Elective	2	2	2	3
Music Examination	---	---	See Adviser	---
Totals	16½	16½	16½	15

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Industrial Education 15	---	---	2 or 3	---
Elective or Minor or Major	---	6	4 or 3	---
Totals	---	6	6	---

* Subject requirement may be satisfied by examination; no unit credit.

² Botany minors substitute Zoology 4 and Zoology minors Botany 4 for Geology 1A.

³ Home Economics majors substitute Chemistry 2 for Geology 1A or Physics 10.

JUNIOR YEAR
First Semester

Subjects	Units			
	Gen. Elem.	Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 190 ² -----	2	2	2	--
Education 110 -----	2	2	2	2
Education 111 -----	3	3	3	3
Education 192 -----	--	--	3	--
Ind. Educ. 15 or 51 -----	3	3	--	3
Mathematics 20 -----	2	2	2	--
Phys. Educ. 151 or 175 -----	--	--	--	3
Phys. Educ. 190B -----	1	1	1	1
Phys. Educ. 192A or 193A -----	--	--	--	2
Elective or Minor -----	3	3 (or Major)	3	3
Totals -----	16	16	16	17

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 190 -----	2	2	2	--
Education 133 -----	4	4	4	--
Education 134 -----	2	2	2	--
Education 310 -----	2	2	2	--
Music 190 -----	2	2	2	--
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. 152 or 176 -----	--	--	--	2
Phys. Educ. 192B or 193B -----	--	--	--	2
Phys. Educ. 199 -----	2	2	2	2
Elective or Minor -----	2-3	2-3 (or Major)	2-3	9
Totals -----	16 $\frac{1}{2}$ -17 $\frac{1}{2}$	16 $\frac{1}{2}$ -17 $\frac{1}{2}$	16 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art in the Kindergarten-Primary Grades ¹ -----	--	--	2	--
Literature and Story-Telling in the Kindergarten-Primary Grades ¹ -----	--	--	2	--
Rhythms and Games in the Kindergarten-Primary Grades ¹ -----	--	--	2	--
Elective or Minor or Major -----	--	6	--	--
Totals -----	--	6	6	--

¹ Candidates for the Kindergarten-Primary Credential will have to take these courses at some other institution, equipped to offer them.

² Majors and minors in Biological Sciences are not exempt from this required course.

SENIOR YEAR
First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 133 -----	4	4	4	--
Education 134 -----	2	2	2	--
Education 310 -----	2	2	2	--
Education 170 -----	--	2	--	--
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. 175 or 151 -----	--	--	--	3
Education 321 -----	--	--	6	--
Political Science 151 -----	2	2	2	2
Elective or Minor -----	6	3 (or Major)	--	10
Totals -----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$	15 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H.S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 124 -----	2	2	2	2
Education 137 -----	2	2	2	--
Education 320 -----	10	10	10	--
Education 322 -----	--	--	--	2
Education 323 -----	--	--	--	2 or 4
Phys. Educ. 176 or 152 -----	--	--	--	2
Phys. Educ. 198 -----	--	--	--	2
Phys. Educ. Activity -----	--	--	--	$\frac{1}{2}$
Totals -----	14	14	14	10 $\frac{1}{2}$ -12 $\frac{1}{2}$
Total Required Units -----	120	132	132	120

In those rare cases when a student is permitted to work for the Junior High School Credential alone, he will follow the same course as outlined in the pattern for the General Elementary and Junior High School Credentials, less Education 137 and 10 elective units.

If the Special Physical Education Credential in conjunction with either the General Elementary or General Junior High School Credential is desired, the requirements peculiar to the Special Physical Education Credential are added to the requirements common to it and its accompanying credential. The total units required for two credentials are 132, and for three credentials, 144.

MAJOR REQUIREMENTS**ALL UPPER DIVISION**

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 110-----	2 units	Ed. 134-----	2 units
Ed. 124-----	2 units	Ed. 310-----	2 units
Ed. 133-----	4 units	Ed. 320-----	10 units

Additional requirements for specific credentials are as follows:

<i>General Elementary</i>	<i>General Junior High School</i>	<i>Kindergarten-Primary</i>
Ed. 111----- 3 units	-----	Ed. 111----- 3 units
Ed. 137----- 2 units	-----	Ed. 137----- 2 units
-----	Ed. 170----- 2 units	-----
-----	-----	Ed. 192----- 3 units
-----	-----	Ed. 193----- 2 units
-----	-----	Ed. 194----- 2 units
-----	-----	Ed. 195----- 2 units
-----	-----	Ed. 321----- 6 units

Total units required

For General Elementary alone-----	27 units
For General Junior High School (rarely given alone)-----	24 units
For General Elementary-Junior High School-----	29 units
For General Elementary-Kindergarten-Primary-----	42 units
For Special Secondary in Physical Education-----	16 to 18 units

DESCRIPTION OF COURSES***Education*****UPPER DIVISION****110. Educational Psychology (fall, spring) 2 units**

The principles derived from a study of human behavior as applied to teaching and classroom problems. Measurements, evaluation, and the factors influencing learning are stressed throughout the course.

Taken concurrently with Education 111.

Two one-hour periods per week.

111. Growth and Development of the Child (fall, spring) 3 units

Interrelation of the physical, social, intellectual, and emotional development of a child from prenatal stage to late adolescence. Method of study involves directed observation of children at home, in school, and in play groups; writing of case studies; use of library; and classroom discussion.

Taken concurrently with Education 110.

Three one-hour periods per week.

124. Philosophy of Education (fall, spring) 2 units

The major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

- 133. Curriculum Activities**¹ (fall, spring) 4 units
 This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.
 Taken concurrently with Education 134 and 310.
 Two one-hour periods per week.
- 134. Reading in the Elementary School**¹ (fall, spring) 2 units
 Provides the prospective teacher with definite activities for the teaching of reading in the modern elementary school.
 Taken concurrently with Education 133 and 310.
 One two-hour period per week.
- 137. Rural Education** (fall, spring) 2 units
 This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.
 Prerequisite: Education 100.
 Two one-hour periods per week.
- 170. Principles of Secondary Education** (spring) 2 units
 The philosophy, objectives, principles, organization, administration, and functioning of public schools for grades seven through fourteen. Special attention to adolescent psychology and the problems of teaching pupils in the adolescent period.
 Prerequisite: Education 100 or consent of the instructor.
 Two one-hour periods per week.
- 192. Curriculum for the Kindergarten-Primary Grades**¹ (fall) 3 units
 A study of the curriculum, materials and teaching techniques in the Kindergarten-Primary grades. Observation of children and lessons taught for demonstration.
 Two one-hour periods and one one-hour observation period per week.
- 310. Observation**¹ (fall, spring) 2 units
 Observation and participation in classroom procedure; guidance of the growth and development of individuals and groups.
 Taken concurrently with Education 133 and 134.
 Four one-hour periods per week.
- 320. Directed Teaching**¹ (fall, spring) 10 units
 Students teach in grades one to eight in the College Elementary School for one semester for the Elementary or Junior High Credential.
- 321. Kindergarten-Primary Teaching**¹ (fall, spring) 6 units
 Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary Credential.

¹ See Scholarship Requirements, p. 78.

322. Elementary Physical Education Teaching¹ (fall, spring) **2 units**
Students teach physical education daily in grades three to eight in the College Elementary School.

323. Secondary Physical Education Teaching¹ (fall, spring) **2 or 4 units**
Students teach physical education daily one or two hours in a local secondary school.

Prerequisite: Education 322.

324. College Physical Education Teaching (fall, spring) **1 or 2 units**
Students assist in college physical education activity classes.
Prerequisites: Education 322 or 323 and recommendation of the Department of Physical Education.

Two one-hour periods per week.

330. Advanced Teaching (fall, spring) **2 or 3 units**
This course provides an opportunity for students to do advanced teaching which may include work with clubs, community organizations, special subjects, or experimentation with methods of teaching.

Five one-hour periods per week.

Psychology

1. General Psychology (fall, spring) **3 units**
A study of the behavior of persons as they meet everyday problems of life. Topics included are: theories of original nature; native reactions; the place of habit in our lives; how learning takes place; how personality is built up; and the place of goals in guiding one's behavior.

Three one-hour periods per week.

***3. Applied Psychology** (fall) **3 units**
Survey of the areas in which the general principles of psychology are applied, such as medicine, advertising, salesmanship, religion, business and personal relations. Course begins with a short survey of general principles; remainder of semester is devoted to independent supervised study of particular fields of application of student's own choice.

Prerequisite: Consent of the instructor; Psychology 1 recommended.

¹ See Scholarship and Fundamentals Requirements, pp. 75-76.

* Not given 1943-44.

ADMINISTRATIVE CREDENTIAL CURRICULA

An Elementary School Administration Credential is required for the position of principal of a school of more than five teachers. A supervisor devoting more than half-time to supervision of instruction is required to have an Elementary School Supervision Credential.

General requirements for these two credentials are the possession of a valid General Elementary Credential, and two years of successful teaching experience in the elementary school.

For the Elementary School Administration Credential, it is necessary to complete thirty semester units of upper division or graduate work in addition to the holding of the General Elementary Credential, or training which an institution approved or accredited to recommend for the Elementary School Administration Credential certifies as fulfilling institutional requirements for a full year of work in addition to the holding of the General Elementary Credential.

For the Elementary School Supervision Credential, the requirement is twenty-four semester units of upper division or graduate work in addition to the holding of the General Elementary Credential.

Course requirements for these credentials are as follows:

	<i>Administration Supervision</i>	
Ed. 115, Educational Measurements and Guidance -----	4 units	4 units
Ed. 125, The Public School System -----	3 units	-----
Ed. 139, Elementary School Curriculum -----	3 units	3 units
Ed. 140A, School Administration and Supervision -----	2 units	2 units
Ed. 140B, School Administration and Supervision—Field Work -----	2 units	2 units
Ed. 141, Supervision of Instruction -----	4 units	4 units
Ed. 145, School Finance -----	2 units	-----
Ed. 148, Legal Aspects of Education -----	2 units	-----
Approved Electives -----	8 units	9 units
Totals -----	30 units	24 units

ENGLISH

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ENGLISH

LOWER DIVISION

	<i>Units</i>
English -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
Foreign Languages -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Philosophy	
Year course -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	14
History 4A-4B (History of Western Civilization) -----	6
Additional Social Science -----	8

UPPER DIVISION

English -----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government) -----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN ENGLISH

The requirements for this degree are the same as those for the liberal arts A.B. degree in English, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 41.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Eng. 1A-1B----6 units Eng. 56A-56B--6 units	Eng. 1A-1B----6 units Eng. 56A-56B--6 units	Eng. 1A-1B----6 units Recommended: Eng. 56A-56B.
Upper Division-----	Eng. 117-----3 units Eng. 151-----3 units Additional U. D. English-----18 units	12 units U. D. English. Recommended: Eng. 101-----3 units Eng. 115-----3 units Eng. 117-----3 units Eng. 130A----3 units	6 units U. D. English. Recommended: Eng. 115-----3 units Eng. 130A----3 units
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

X. Fundamentals of English (fall, spring) **3 units**

A study of grammar, usage, punctuation, and mechanics, with some practice in writing. Offers work in addition to English 1A; can not be substituted for it.

Three one-hour periods per week.

1A. First-Year Composition: Exposition (fall, spring) **3 units**

Designed to meet student needs in writing. Special emphasis on exposition, grammar, spelling, and punctuation.

Three one-hour periods per week.

1B. Introduction to Literature (fall, spring) **3 units**

Emphasis on reading and an introduction to literature, with a continuation of written composition.

Three one-hour periods per week.

5. Applied Composition (fall) **3 units**

Writing applied to practical workaday needs of students both in and outside of college, such as radio programs, dramatic skits, publicity releases, announcements, application forms, and the like; writing as a group enterprise; class criticism of written work.

Three one-hour periods per week.

8. Word Study (fall, spring) **2 units**

Exercises in vocabulary building; of special value to credential candidates, and as preparation for standard tests given by the armed forces.

Two one-hour periods per week.

20. Choric Reading (spring) **1 unit**

Oral interpretation of literature.

One one-hour period per week.

25. Reading Laboratory (fall, spring) 1, 2, or 3 units

For students desiring improvement in certain phases of silent reading skills and for anyone wishing to read under the direction of an instructor; also for teachers who wish to learn the developmental approach to reading or the individual (clinical) methods for reading improvement in children.

Hours to be arranged.

50. Directed Reading (fall) 1 unit

Emphasis on literary appreciation. Student maps own reading chart and covers what he considers vital to his growth. Lectures to acquaint students with aspects of literature.

One one-hour period per week.

56A. Survey of English Literature (fall) 3 units

The beginning of English literature and the main aspect of its development down to the Restoration (1660).

Prerequisite: English 1B.

Three one-hour periods per week.

56B. Survey of English Literature (spring) 3 units

The leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

60. News Writing (fall, spring) 3 units

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Prerequisite: English 1A or consent of the instructor.

Three one-hour periods per week.

70. Children's Literature (fall) 3 units

A survey course intended to give an understanding and appreciation of the best literature for children of all ages. Books by notable contemporary authors and artists are read and discussed as well as traditional and classical literature. Attention is given to reading guidance and the stimulation of wider use of books for study and recreation. Recommended for candidates for the Kindergarten-Primary and the General Elementary Credentials.

Three one-hour periods per week.

UPPER DIVISION

English 1A-1B is prerequisite to all upper division courses in English.

105. Creative Writing (fall, spring) 3 units

Three one-hour periods per week.

112. Phonetics (fall) 3 units

See Speech 112.

115. The English Language (spring) 3 units

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

117. Shakespeare (spring) 3 units

An intensive study of a few of Shakespeare's plays and a rapid reading of some others.

Three one-hour periods per week.

125C. The Novel (fall) 3 units

Students read and study the novel, its origin, its development as a literary form in various countries. Two or three distinguished novels will be studied by the class. Others will be read and reported on by the students.

Three one-hour periods per week.

***130A. American Literature (fall) 3 units**

A study of the important writers of the nineteenth century in the United States with a brief survey of the literature of the Colonial and Revolutionary periods and of the contemporary period. It seeks to discover distinctively American contributions to world literature.

Three one-hour periods per week.

***140. Victorian Literature (spring) 3 units**

Study of Victorian trends in literature, with emphasis on their relation to contemporary life and literature.

Three one-hour periods per week.

***151. Chaucer. 3 units**

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

***156. The Age of Elizabeth 3 units**

Prose and poetry, exclusive of the drama.

157. The Age of Swift and Pope 3 units*158. The Romantic Period (spring) 3 units**

A study of the major influences that are reflected in nineteenth century literature and their relationship with contemporary English and American literatures. Reading of the philosophical and literary writers of the Romantic Period.

Three one-hour periods per week.

* Not given 1943-44.

HOME ECONOMICS

MAJOR AND MINOR REQUIREMENTS

<i>Junior High School Major in Home Economics</i>		<i>Home Economics Minor</i>
Lower Division	Home Econ. 1_____	3 units
	Home Econ. 3_____	3 units
	Home Econ. 11_____	3 units
	Home Econ. 20_____	3 units
Upper Division	12 units chosen from—	6 units of U. D. Home Economics
	Home Econ. 101_____	3 units
	Home Econ. 122_____	3 units
	Home Econ. 130_____	3 units
	Home Econ. 160_____	3 units
	Home Econ. 190_____	3 units
Total units required		24 units

A liberal arts major in Home Economics may be completed at this College if the student supplements her work here with two summer sessions elsewhere. The choice of subjects should be made in consultation with the student's adviser and the Registrar.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Clothing Construction (fall) 3 units

Laboratory work directed toward the development of good technique in clothing construction processes; use of sewing machine and hand stitches; selection and alteration of commercial patterns; correct fitting methods; use of cotton, linen, and rayon fabrics in making garments.

One one-hour lecture and two three-hour laboratory periods per week.

3. Clothing Design and Textiles (spring) 3 units

A study of clothing as an expression of personality and good taste in dress, with a study of the elements of design and color as related to the selection of clothing. Individual color types and figure problems considered. Emphasis on clothing budgets and buying problems.

Three one-hour periods per week.

11. Hostess Training and Foods (fall) 3 units

The planning, preparation, and serving of meals for various occasions; types of meal service and etiquette involved.

Two one-hour lecture and one three-hour laboratory periods per week.

20. Elementary Nutrition and Foods (spring) 3 units

A study of elementary nutrition with practice in food preparation and menu planning. Special emphasis on selection of foods for individuals and families.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

101. Advanced Clothing and Textiles (fall) 3 units

Laboratory practice in clothing construction and design with emphasis on children's clothing; study of consumer problems in selection of clothing, textiles; and household furnishings.

Prerequisite: Home Economics 1.

Two one-hour lecture and one three-hour laboratory periods per week.

122. Nutrition Work with Children (spring) 3 units

The nutritional needs of children of pre-school and school age; methods of judging good and poor nutrition in children; causes and prevention of malnutrition; formation of desirable food habits; problems of the school lunchroom.

Prerequisite: Home Economics 20.

Three one-hour periods per week.

130. Household Administration (spring) 3 units

A study of the modern family and its housing needs, emphasizing standards and selection of equipment and furnishings, their arrangement and care; management factors with respect to household tasks, home ownership, and finances. Open to all students.

Three one-hour periods per week.

160. Social and Economic Problems of the Family (fall) 3 units

A study of the family as an institution and the social and economic conditions affecting American family life. Open to all students.

Three one-hour periods per week.

190. Homemaking Problems in the Elementary School (fall, spring) 2 or 3 units

Designed to acquaint the prospective elementary school teacher majoring in Home Economics with homemaking procedures that can be adapted for use in the elementary grades in correlation with a given unit of work. Not applicable to a minor in Home Economics, but recommended to those minoring in Home Economics as an elective.

One lecture period per week, with classroom demonstrations.

INDUSTRIAL EDUCATION

MAJOR AND MINOR REQUIREMENTS

<i>Junior High School Major in Industrial Education</i>		
Lower Division	Ind. Educ. 7A-----	2 units
	Ind. Educ. 51*-----	3 units
	Additional L. D.	
	Ind. Educ. -----	7 units
Upper Division	Ind. Educ. 101-----	3 units
	Ind. Educ. 130-----	2 units
	Additional U. D.	
	Ind. Educ. -----	7 units
Total units required		24 units

A liberal arts group major which includes Industrial Education may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

Minors in Industrial Education				
	General Elementary		Junior High School and Pre-Secondary	
Lower Division	Ind. Educ. 15 or 51*-----	3 units	Ind. Educ. 7A-----	2 units
	3 or more units chosen from—		Ind. Educ. 51*-----	3 units
	Ind. Educ. 5-----	2 or 3 units	4 or more units chosen from—	
	Ind. Educ. 6-----	2 units	Ind. Educ. 5-----	2 or 3 units
	Ind. Educ. 7A-----	2 units	Ind. Educ. 12-----	3 units
	Ind. Educ. 12-----	3 units	Ind. Educ. 13-----	2 or 3 units
	Ind. Educ. 51-----	3 units	Ind. Educ. 15-----	3 units
	Art 6-----	2 or 3 units	Art 6-----	2 or 3 units
Upper Division	Ind. Educ. 191 (men only)-----	2 units	Ind. Educ. 130-----	2 units
	4 or more units chosen from—		Ind. Educ. 191-----	2 units
	Ind. Educ. 101-----	2 or 3 units	5 or more units chosen from—	
	Ind. Educ. 105-----	2 units	Ind. Educ. 101-----	2 or 3 units
	Ind. Educ. 112-----	2 or 3 units	Ind. Educ. 103-----	2 or 3 units
	Ind. Educ. 123-----	3 units	Ind. Educ. 105-----	2 units
	Ind. Educ. 124-----	2 or 3 units	Ind. Educ. 112-----	2 or 3 units
	Ind. Educ. 130-----	2 units	Ind. Educ. 125-----	3 units
Total units required	12 units		18 units	

* Industrial Education 51 will be waived as a subject requirement for students who have had two years of high school manual training.

DESCRIPTION OF COURSES

LOWER DIVISION

5. Pottery (fall) 2 or 3 units
A course in an interesting and age-old industry. Designing, casting, throwing, modeling, glazing, and firing.
Two or three three-hour periods per week.
6. Cement and Concrete Work (spring) 2 units
Theory and practical application of concrete work, including ornamental cement.
Two three-hour periods per week.

7A. Mechanical Drawing (fall, spring)**2 units**

A fundamental course in mechanical drawing which covers orthographic, isometric, and cabinet projections, intersection of solids, sections, screws and threads, cams, blue prints, etc.

Three two-hour periods per week.

7B. Advanced Mechanical Drawing (fall)**2 units**

An advanced course in mechanical drawing intended primarily for students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Prerequisite: Industrial Education 7A or its equivalent in high school.

Three two-hour periods per week.

9. Stone Polishing and Plastics (spring)**2 or 3 units**

In this course an age old art is united with a very modern one. Stone cutting has been practiced for many years; plastic is very modern, but has many possibilities. The combination of the two subjects makes an interesting study.

Two or three-hour periods per week.

12. Metal Arts (spring)**3 units**

The application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. Architectural Drafting (spring)**2 or 3 units**

A beginning course in the fundamentals of house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in mechanical drawing either in high school or college is advisable as background.

Two or three three-hour periods per week.

15. Rural School Handwork and Toyecraft (fall, spring)**3 units**

A course in the use of native materials and waste products applicable to the elementary grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the kinds of work done. Required of all women candidates for a credential.

Three one-hour class periods and six hours of outside work per week.

51. Fundamentals of Industrial Education (fall, spring)**3 units**

The fundamentals of industrial education in terms of teaching industrial arts in the elementary grades. Covers methods, courses of study, construction of objects of the elementary grades level, and care and use of equipment. Required of all men candidates for a teaching credential.

Three three-hour periods per week.

UPPER DIVISION

- 101. Advanced Woodworking (spring)** 2 or 3 units
 Building of boats, airplane gliders, and large pieces of similar nature.
 Prerequisite: Industrial Education 51 or its equivalent.
 Two or three three-hour periods per week.
- 103. The Art of House Design (fall)** 2 or 3 units
 A thorough-going study of home planning and building in which an entire house is planned in structure and furnishings.
 Prerequisite: Industrial Education 13.
 Two or three three-hour periods per week.
- 105. Advanced Pottery (fall)** 2 units
 Study of the problems involved in pottery making, from the standpoint of both teaching and business. Designing, decorating, throwing, packing, firing of the kiln are a few of the subjects studied.
 Prerequisite: Industrial Education 5.
 Two three-hour periods per week.
- 112. Advanced Metal Arts (spring)** 2 or 3 units
 An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, and other metals.
 Prerequisite: Industrial Education 12.
 Two or three three-hour periods per week.
- †113. Machine Shop Practice** 2 units
 The use and operation of the common machines, with practical application to everyday life.
 Prerequisite: Upper division status or consent of the instructor.
 Two three-hour periods per week.
- 123. Pattern Making and the Theory of Foundry Practice (fall)** 3 units
 A study in the basic principles of foundry practice and pattern-making. The construction of simple patterns, and casting in softer metals.
 Prerequisite: Industrial Education 51 or its equivalent.
 Three three-hour periods per week.
- 124. Advanced Cabinet and Other Wood Construction (fall)** 2 or 3 units
 Advanced course in woodwork designed for students interested in teaching or in problems of advanced construction.
 Prerequisite: Industrial Education 101.
 Two or three three-hour periods per week.
- 125. Carpentry (spring)** 3 units
 A study of house construction in which houses in miniature are built to illustrate construction problems. Recommended as a suitable course to follow Industrial Education 103.
 Prerequisite: Industrial Education 51 or its equivalent.
 Three three-hour periods per week.

130. Industrial Arts Design (spring)

2 units

Theory and practice in the designing of objects in the industrial arts and their decoration.

Prerequisite: Industrial Education 7A.

Two one-hour lecture and two two-hour laboratory periods per week.

†191. Management of School Shops (spring)

2 units

A course in the objectives, methods, and content of shop programs for the grade schools. Intended for students majoring in Industrial Education.

Prerequisite: Industrial Education 51 and upper division status.

Two one-hour periods per week.

† Given if sufficient demand.

MATHEMATICS AND PHILOSOPHY

MINOR REQUIREMENTS

<i>Minor in Mathematics</i>	
Lower Division	Prerequisites (may be satisfied in high school) Elementary Algebra Intermediate Algebra Plane Geometry Plane Trigonometry Mathematics 3A-3B ----- 6 units
Upper Division	Mathematics 104A-104B ----- 6 units In addition to prerequisites: 12 units
Total units required	

DESCRIPTION OF COURSES

Mathematics

LOWER DIVISION

- C. Trigonometry (fall)** 3 units
 Plane trigonometry and spherical right triangles.
 Prerequisite: Plane geometry and one and one-half years of high school algebra or Mathematics 1.
 Three one-hour periods per week.
- E. Solid Geometry (spring)** 2 units
 Prerequisite: Elementary algebra and plane geometry.
 Two one-hour periods per week.
- M. Mathematics Review (fall, spring)** 3 units
 Reviews the basic principles and processes of fractions and percentage. Develops fundamental procedures in algebra, computational trigonometry, scale drawing, map reading, and vector construction. Planned for men and women intending to enter the armed forces.
 Three one-hour periods per week.
- 1. Intermediate Algebra (fall)** 3 units
 Quadratic equations; exponents and radicals; practice in the use of logarithms; theory of equations; elementary determinants; progressions; and the binominal theorem.
 Prerequisite: One year of high school algebra or general mathematics.
 Three one-hour periods per week.
- *2. Mathematics of Finance (spring)** 3 units
 Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance.
 Prerequisite: Two years of high school algebra or Mathematics 1.
 Three one-hour periods per week.

* Not given 1943-44.

3A-3B. Plane Analytic Geometry and Calculus (year) 3-3 units

First semester: Cartesian and polar equations of the straight line; conic sections; and general equations of the second degree.

Second semester: Plane analytics continued. Differential calculus and an introduction to integral calculus.

Prerequisite: High school algebra, plane geometry, and trigonometry. Three one-hour periods per week.

8. College Algebra (spring) 3 units

Theory of equations; determinants; equations of third and fourth degrees.

Prerequisite: Mathematics 3A.

Three one-hour periods per week.

20. Mathematics of the Elementary School (fall, spring) 2 units

Operations and principles essential to the manipulation of fractions, equations, and formulae, with application to design, graphics, statistics, investment, and engineering.

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

40. Elementary Statistical Methods (spring) 3 units

Theory and uses of statistical methods. Practice in tabular and graphical representation of data. Measures of central tendency, relationships, and dispersion. Coefficients, index numbers, time series, and other forms of statistical calculations based on practical relevant data. Use of calculating machines encouraged.

It is recommended that students taking this course consult the instructor concerning the adequacy of their mathematical background.

Three one-hour periods per week.

UPPER DIVISION

104A-104B. Integral Calculus and Solid Analytics (year) 3-3 units

First semester: Continues the development and application of the calculus. Infinite series, partial derivatives.

Second Semester: Quadratic surfaces and multiple integration.

Prerequisite: Mathematics 3A-3B.

Three one-hour periods per week.

Civil Engineering

1A-1B. Plane Surveying (year) 3-3 units

Principles, field practice, calculations, and mapping.

Prerequisite: Plane trigonometry and Industrial Education 7A or its equivalent.

Two one-hour lecture and one three-hour laboratory periods per week.

†2. Descriptive Geometry 3 units

The principles of descriptive geometry and their application to engineering problems. Required for engineering and based on the course given at the University of California.

Prerequisite: Industrial Education 7A or its equivalent.

Three one-hour lecture and three two-hour drafting periods per week.

Philosophy

6A-6B. Introduction to Philosophy (year) 3-3 units

First semester: An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources, including the philosopher-poets and contemporary writers.

Second semester: A special consideration of the basic problems of philosophy, including historical references to solutions presented in the past.

Three one-hour periods per week.

† Given if sufficient demand.

MODERN LANGUAGES

MINOR REQUIREMENTS

<i>Minor in French</i>	
Lower Division	Prerequisites: French 1A-1B or two years of high school French French 2A----- 3 units French 2B----- 3 units
Upper Division	French 105A-105B----- 6 units
Total units required	In addition to prerequisites: 12 units

DESCRIPTION OF COURSES

French

LOWER DIVISION

1A. Elementary French (fall) 3 units

Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Three one-hour periods per week.

1B. Elementary French (spring) 3 units

Continuation of French 1A.

Prerequisite: French 1A or one year of high school French.

Three one-hour periods per week.

1M. War Time Conversation (fall, spring) 2 units

Simple conversation, designed particularly for students preparing to enter military service. (Elective credit only.)

Prerequisite: None.

Two one-hour periods per week.

2A. Intermediate French (fall) 3 units

Grammar review and reading of modern short stories, novels, plays and works descriptive of French civilization.

Prerequisite: French 1B or two years of high school French.

Three one-hour periods per week.

2B. Intermediate French (spring) 3 units

Continuation of French 2A.

Prerequisite: French 2A or three years of high school French.

Three one-hour periods per week.

5A-5B. Advanced Reading (year) 3-3 units

Introduction to French literature.

Prerequisite: French 2B or four years of high school French.

Three one-hour periods per week.

- 6A. Advanced Grammar (fall) 2 units**
 Grammar, composition, and conversation.
 Prerequisite: French 1B or two years of high school French.
 Two one-hour periods per week.
- 8A-8B. French Pronunciation (year) 1-1 unit**
 Prerequisite: French 1A or one year of high school French.
 One one-hour period per week.
- 10A-10B. Directed Reading (year) 1 or 2 units**
 Reading of literature or scientific texts, chosen to meet the interests and needs of the individual student.
 Prerequisite: French 2B or equivalent, or consent of instructor.
 Hours arranged with the instructor.

UPPER DIVISION

- 105A-105B. Survey of French Literature (year) 3-3 units**
 A brief survey of French literature from its beginning to the present time. Extensive reading of works of representative authors of all periods.
 Prerequisite: French 2B or four years of high school French.
 Three one-hour periods per week.
- 110A-110B. Directed Reading (year) 1 or 2 units**
 Similar to 10A-10B, but for upper division students.
 Prerequisite: French 105A or consent of instructor.
 Hours arranged with the instructor.

Spanish

- 1A. Elementary Spanish (fall) 3 units**
 Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
 Three one-hour periods per week.
- 1B. Elementary Spanish (spring) 3 units**
 Continuation of Spanish 1A.
 Prerequisite: Spanish 1A or one year of high school Spanish.
 Three one-hour periods per week.
- 2A. Intermediate Spanish (fall) 3 units**
 Grammar review and reading of modern short stories, novels, plays and works descriptive of Latin American civilization.
 Prerequisite: Spanish 1B or two years of high school Spanish.
 Three one-hour periods per week.
- 2B. Intermediate Spanish (spring) 3 units**
 Continuation of Spanish 2A.
 Prerequisite: Spanish 2A or three years of high school Spanish.
 Three one-hour periods per week.

6A. Advanced Grammar (spring)

2 units

Grammar, composition, and conversation.

Prerequisite: Spanish 1B or two years of high school Spanish.

Two one-hour periods per week.

10A-10B. Directed Reading (year)

1 or 2 units

Reading of texts chosen to meet the interests and needs of the individual student.

Prerequisite: Spanish 2B or equivalent, or consent of instructor.

Hours arranged with the instructor.

MUSIC

MAJOR AND MINOR REQUIREMENTS

Junior High School Major

The junior high school major is available in two forms, instrumental or vocal. In each form the major consists of approximately 32 units in music courses selected according to the needs of the individual student. Instrumental majors must play in the orchestra or band at least six semesters. Vocal majors must sing in the a cappella choir six semesters. However, not more than six units in a cappella choir may be applied toward the major. Participation in the several musical organizations is subject to the approval of the department.

The courses fundamental to the major in both forms are:

Lower Division	Music 1-----	3 units
	Music 2-----	3 units
	Music 20A-20B-----	6 units
Upper Division	Music 120A-120B-----	6 units
	Music 141-----	2 units
	Music 146-----	2 units
	Music 192-----	3 units

A liberal arts group major which includes Music may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

<i>Instrumental Minor</i>			<i>Vocal Minor</i>		
Lower Division	Piano Test		Piano Test		
	Music 1-----	3 units	Music 2-----	3 units	
	Music 10-----	3 units	Music 10-----	3 units	
	Music 50 or 51-----	1 unit	Music 11-----	2 units	
	*Music 71, 72, or 73 (two courses)-----	4 units	Music 60 or 65-----	2 units	
Upper Division	Music 131-----	1 unit	Music 76-----	1 unit	
	Music 141-----	2 units	Music 146-----	1 unit	
	Music 150 or 151-----	1 unit	Music 160 or 165-----	2 units	
	Music 192-----	3 units	Music 192-----	3 units	
Total units required		18			16½

* To be taken in the two orchestral sections in which student has not had training.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Music History—Instrumental (fall) 3 units

The development and changes in instrumental music and their relation to cultural history. Emphasis is placed upon listening to music to the end of developing critical knowledge of music through a study of styles and forms.

Three one-hour periods per week.

2. Music History—Vocal (spring) 3 units

The study of vocal music from the same approach as in Music 1.

Three one-hour periods per week.

Both Music 1 and Music 2 are suitable for non-music majors and minors who wish to know more about music as a part of their general education.

10. Musicianship (fall, spring)

3 units

Elementary work in ear training, sight singing, and piano keyboard; designed to give the fundamentals of music in a direct and concise manner.

Required for all students working toward a teaching credential. Music majors not eligible.

Three one-hour periods per week.

11. Ear Training and Sight Singing (fall, spring)

2 units

Designed to give a thorough foundation in pitch, rhythm, and harmony in the major and minor modes. These elements are presented through musical-tonal and rhythmical dictation, sight singing, and melodic writing. It emphasizes the chordal basis of melodies in both classic and modern harmonies.

Prerequisite: Music 10.

Two one-hour periods per week.

15. Piano for Teachers (fall, spring)

1 unit

An extension of Music 10. A practical course in piano for prospective teachers. Learning of simple chords and application of them in harmonizing simple songs; learning to improvise accompaniments.

One one-hour period per week.

***20A-20B. Harmony (year)**

3-3 units

The creation and analysis of music. Keyboard harmony; analysis of musical composition for form and content; harmonization of given melodies and original compositions for voices, piano, and other instruments.

Students enrolling should have some ability in playing the piano.

Three one-hour periods per week.

70A-70B. Piano (year)

1-1 unit

Class instruction open to any student who has a desire to learn to play the piano. No preliminary knowledge of piano is needed.

One one-hour period per week.

***71. Strings (fall)**

2 units

Violin, viola, 'cello, string bass. Study and practice of one or more of the string instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

72. Brass Instruments (spring)

2 units

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

* Not given 1943-44.

73. Woodwinds (fall)**2 units**

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

76. Voice (fall, spring) **$\frac{1}{2}$ unit**

Elementary class instruction in voice. Designed to help students improve tone quality and musicianship of their singing.

One one-hour period per week.

UPPER DIVISION

Unless otherwise specified Music 10 or its equivalent is prerequisite to all upper division Music courses.

120A-120B. Advanced Harmony and Composition (year) **3-3 units**

A continuation of Music 20A-20B.

Prerequisite: Music 20A-20B.

Three one-hour periods per week.

131. Instrumental Arranging (fall, spring)**1 unit**

A practical course in arranging music for various combinations of instruments, with special reference to school orchestras. To be taken in senior year.

Prerequisite: Music 10 or 70, 141, and consent of the instructor.

Two one-hour periods per week.

141. Instrumental Conducting (spring)**2 units**

Baton and rehearsal technique; the problems associated with various kinds of instrumental organizations; program building; principles of interpretation.

Two one-hour periods per week.

146. Choral Conducting (fall)**1-2 units**

Same as Music 141 but applied to choral singing.

Vocal music *minors* enroll for 1 unit and attend class for first half of semester. Vocal music *majors* attend whole semester for 2 units.

Two one-hour periods per week.

190. Elementary Music Education (fall, spring)**2 units**

Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences. (Not applicable to a minor in Music.)

Prerequisite: Music 60A or 165A-165B.

Two one-hour class and two one-hour observation periods per week.

192. Secondary Music Education (fall)**3 units**

An intensive study of musical literature. Provides a procedure for using such materials in the varying grade levels from the first grade to the junior high school, with emphasis upon the needs in the junior high school level.

Three one-hour periods per week.

Musical Organizations

50A, B, C, D; 150A, B, C, D. Orchestra (fall, spring) ½ unit

Affords qualified students an opportunity for study of good orchestral composition and for learning to play with interpretation, finish, and precision. Outside practice necessary.

Prerequisite to Music 150: Music 50A, B.

Two two-hour periods per week.

51A, B, C, D; 151A, B, C, D. Band (fall, spring) ½ unit

Playing of both popular and symphonic band music. During the fall athletic season the band plays for athletic contests and rallies. Thereafter attention is devoted entirely to symphonic band music for playing in public concert.

Prerequisite to Music 151: Music 51A, B.

Two one-hour periods per week.

60A, B, C, D; 160A, B, C, D. College Chorus (fall, spring) ½ unit

A musical organization open to any member of the student body without try-outs. It affords opportunity to become acquainted with some of the best music of the past and present. The chorus appears in several public performances during the year.

Prerequisite for Music 160: Music 60A, B.

Two one-hour periods per week.

65A-65B, 65C-65D; 165A-165B, 165C-165D. A Cappella Choir
(year) 1-1 or 2-2 units

A selected group of singers who sing a cappella literature ranging from the sixteenth century to the present. Principles of style and interpretation, voice production, and other attributes of musicianly singing are dwelt upon to a much greater extent than is possible in the College Chorus. The choir gives many concerts and usually goes on tour in the spring of each year.

No credit is given for the first semester (fall) unless the student enrolls in and completes the course for the second semester (spring). An exception is made in case of withdrawal from College after first semester.

Prerequisite for Music 165: Music 65A-65B.

Two two-hour periods per week.

Private Lessons

Credit for private lessons will be given on the basis of one unit for one half-hour lesson per week and the necessary practice for the lesson for a semester.

80. Private Lessons—Piano

Miss Jackson, \$5.00 per month; Mr. Fulkerson, \$1.50 per lesson.

81. Private Lessons—String Instruments

Violoncello—Mrs. Fulkerson, \$1.50 per lesson.

86. Private Lessons—Voice

Dr. Jeffers, \$1.50 per lesson.

ORIENTATION

1. Orientation I (fall)

1 unit

College problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, matriculation in other institutions, and choice of vocation. Discussion of subject offerings of the various academic departments, led by their respective faculty members.

One one-hour period per week.

2. Orientation II (fall, spring)

1 unit

Provides the prospective teacher with an opportunity to observe actual classroom procedures in the College Elementary School. Its purpose is to help the student determine early in his college career whether or not he or she should pursue a Teacher Education curriculum.

Two one-hour class periods and one one-hour of play observation and participation per week.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational, physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190B and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Every student enrolled in the College must take a half unit of physical education activities during each semester. Persons twenty-one years of age or older may be exempt from this requirement with consent of the Department.

MAJOR AND MINOR REQUIREMENTS

	<i>Major for Special P.E. Credential (Men Only)</i>	<i>Junior High School Major (Men Only)</i>	<i>Minor</i>
Lower Division-----	H.H. 1 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit P.E. 26A or 31 $\frac{1}{2}$ unit Activity Course ----- $\frac{1}{2}$ unit	H.H. 1 -----2 units P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A -----1 unit P.E. 10A -----1 unit Activity Courses -----1 $\frac{1}{2}$ units	H.H. 1 -----2 units Activity Courses -----1 $\frac{1}{2}$ units Men P.E. 9A -----1 unit P.E. 10A -----1 unit Women P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit
Upper Division-----	P.E. 151 -----3 units P.E. 152 -----2 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B -----4 units P.E. 198 -----2 units P.E. 199 -----2 units Ed. 322 -----2 units Ed. 323 -----2 to 4 units Activity Courses -----1 $\frac{1}{2}$ units	P.E. 151 -----3 units P.E. 152 -----2 units P.E. 175 -----3 units P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 192A-B -----4 units P.E. 199 -----2 units Activity Courses -----1 $\frac{1}{2}$ units Electives in P.E. (may be Lower Division) -----1 $\frac{1}{2}$ units	P.E. 176 -----2 units P.E. 190B -----1 unit P.E. 199 -----2 units Men P.E. 192A-B -----4 units Women P.E. 193A-B -----4 units Men -----14 $\frac{1}{2}$ units Women -----14 units
Total units required-----	30-32 units	26 units	

DESCRIPTION OF COURSES

Courses for Men

LOWER DIVISION

- 5. Freshman Physical Activities** (fall, spring) 1/2 unit
 Fundamentals of team and individual sports, together with some achievement tests.
 Required of all freshmen and limited to freshmen.
 Two one-hour periods per week.
- 8A, B. Individual Sports** (fall, spring) 1/2 unit
 Boxing, fencing, tumbling, wrestling (choice of one or more).
 Two one-hour periods per week.
- 9A, B, C, D. Intercollegiate Football** (fall) 1 unit
 Daily afternoon practice.
- 10A, B, C, D. Intercollegiate Basketball** (spring) 1 unit
 Daily afternoon practice.
- 11A, B, C, D. Baseball** (spring) 1/2 unit
 Intercollegiate competition when it can be arranged; games with local teams.
 Daily afternoon practice.
- 12A, B, C, D. Track** (spring) 1/2 unit
 Intercollegiate competition when it can be arranged; meets with local organizations.
 Daily afternoon practice.
- 13. Commando** (fall, spring) 1 unit
 One hour daily.

UPPER DIVISION

- *192A. Theory of Athletics** (fall) 2 units
 Football, soccer, speedball, and basketball.
 Prerequisite: Upper division status only.
 Two one-hour periods per week.
- *192B. Theory of Athletics** (spring) 2 units
 Baseball, track and field, and tennis.
 Prerequisite: Upper division status only.
 Two one-hour periods per week.

* Not given 1943-44.

Courses for Women

LOWER DIVISION

15. Freshman Physical Activities (fall) **$\frac{1}{2}$ unit**

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

Required of all freshmen women and limited to freshmen.
Two one-hour periods per week.

16A, B, C. Fall Sports (fall) **$\frac{1}{2}$ unit**

Field hockey and volleyball.
Two one-hour periods per week.

17A, B, C, D. Spring Sports (spring) **$\frac{1}{2}$ unit**

Basketball and softball.
Two one-hour periods per week.

18A. Beginning Dance (fall) **$\frac{1}{2}$ unit**

Two one-hour periods per week.

18B. Advanced Dance (spring) **$\frac{1}{2}$ unit**

Two one-hour periods per week.

†20. Theory of Rhythms (fall) **1 unit**

A study of the dance field. Consideration of all types of rhythmic work for elementary and secondary schools. Educational program possibilities.

One one-hour period per week.

UPPER DIVISION

193A. Theory of Athletics (fall) **2 units**

Field hockey, soccer, speedball, volleyball, handball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

193B. Theory of Athletics (spring) **2 units**

Basketball, softball, tennis, archery.

Prerequisite: Upper division status only.

Two one-hour periods per week.

† Given if sufficient demand.

Courses for Men and Women**LOWER DIVISION**

- 25A, B, C, D. Restricted Activities** (fall, spring) **$\frac{1}{2}$ unit**
 Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.
 Two one-hour periods per week.
- 26A. Elementary Clog and Tap Dancing** (fall) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 26B. Intermediate Clog and Tap Dancing** (spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 26C. Tap Club** (fall) **$\frac{1}{2}$ unit**
 Advanced technique; original numbers required of students; participation in school programs.
 Two one-hour periods per week.
- 27A. Elementary Tennis** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 27B. Intermediate Tennis** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 27C. Advanced Tennis** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 28A. Elementary Archery** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 28B. Advanced Archery** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 29A. Badminton** (fall, spring) **$\frac{1}{2}$ unit**
 Badminton, deck tennis, paddle tennis, table tennis.
 Two one-hour periods per week.
- 29B. Advanced Badminton** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 30A. Beginning Golf** (fall, spring) **$\frac{1}{2}$ unit**
 One two-hour period per week.
- 30B. Advanced Golf** (fall, spring) **$\frac{1}{2}$ unit**
 One two-hour period per week.
- 31. Ballroom Dancing** (spring) **$\frac{1}{2}$ unit**
 Basic dance techniques; fox trot, waltz, tango, and current routines. Dance etiquette.
 Two one-hour periods per week.
- 32. Rifle Club** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.
- 33. Folk Dancing** (fall, spring) **$\frac{1}{2}$ unit**
 Two one-hour periods per week.

77. Playground Leadership (fall)**4 units**

Designed for partial fulfillment of the requirements for the Playground Leadership Credential. Thorough theoretical background and some practical laboratory experience in playground work.

Three one-hour lecture and one two-hour laboratory periods per week.

UPPER DIVISION

Upper division status is the only prerequisite to the upper division Physical Education courses.

151. Applied Kinesiology (fall)**3 units**

Study of the anatomy of muscles, bones, joints and of the nervous system as a basis for understanding bodily movement in exercise and sports.

Three one-hour periods per week.

152. Methods in Corrective Physical Education (spring)**2 units**

The principles underlying good body mechanics; the causes, correction, and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program; equipment facilities and procedure; fundamentals and practice of massage. Much of the work is practical.

Prerequisite: Physical Education 151.

Two one-hour periods per week.

175. History and Principles of Physical Education (fall)**3 units**

The evaluating of the history of physical education, the weighing of current problems in the field, the setting up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. Principles of Community Recreation (spring)**2 units**

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

190B. Methods in Singing Games and Folk Dances (fall, spring)**1 unit**

Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

Two one-hour periods per week.

†190C. Advanced Folk Dancing (spring) **$\frac{1}{2}$ unit**

Recreational folk dancing.

Prerequisite: Physical Education 190B.

Two one-hour periods per week.

198. Organization and Administration of Secondary School Physical Education (fall, spring)**2 units****199. Practicum in Physical Education (fall, spring)****2 units**

The organization of the physical education program in grades one through eight.

One class, two activity, and one observation hours per week.

† Given if sufficient demand.

DIVISION OF HEALTH AND HYGIENE

A. B. DEGREE

By recent action of the State Department of Education, graduate nurses from accredited nursing schools with three years of training may be granted the Bachelor of Arts degree upon the completion of an approved program of study. For further information, candidates for this degree should consult the Registrar.

PRE-NURSING

One-Year Curriculum

The one-year pre-nursing program has been outlined to meet the needs of students who wish to take their professional training in one of the nursing schools which require one year of college work as prerequisite to admission.

Recommended Sequence

	Sem. 1	Sem. 2
Anatomy 66-----	3	
Bacteriology 1-----	4	
English 1A-----	3	
Health and Hygiene 1-----	2	
Physical Education Activity-----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1-----		5
Psychology 1-----		3
Orientation 1-----	1	
Electives -----	3	8
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Two-Year Curriculum

A few hospitals require as a basis for admission, the completion of two years of college work. The two-year curriculum has been outlined to meet the lower division requirements of the University of California School of Nursing and serves as a foundation for courses leading to the A.B. degree and the Public Health certificate. It is recommended for students who wish to be prepared for advanced or specialized work in the nursing profession.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Anatomy 66	3	
Chemistry 2	3	
English 1A-1B	3	3
Physiology 1		5
History 4A-4B	3	3
Foreign Language	3	3
Health and Hygiene 1		2
Orientation 1	1	
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$

16 $\frac{1}{2}$ 16 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1	4	
Psychology 1		3
Economics 1A-1B	3	3
Philosophy 6A-6B	3	3
Political Science 151		2
Electives	6	5
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$

16 $\frac{1}{2}$ 16 $\frac{1}{2}$

MAJOR AND MINOR REQUIREMENTS

Junior High School Major				Minor			
Lower Division	H.H. 1	2 units		H.H. 1	2 units		
	H.H. 55	2 units		H.H. 55	2 units		
	H.Ec. 20	3 units		H.Ec. 20	3 units		
	Physiol. 1	5 units					
Upper Division	Ed. 111	3 units		Ed. 111	3 units		
	H.Ec. 122	3 units		H.H. 160	3 units		
	P.E. 151	3 units					
	P.E. 152	2 units					
	H.H. 160	3 units					
Total units required		26 units				13 units	

A liberal arts group major which includes Health and Hygiene may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Hygiene (fall, spring) 2 units

An informal course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

55. First Aid (fall, spring) 2 units

This course conforms to the standards of the American Red Cross. Lectures, practical demonstrations, and practice periods. Those passing the written tests and practical demonstrations will receive the Standard and Advanced Red Cross First Aid Certificates.

Two one-hour periods per week.

UPPER DIVISION

160. Public Health*3 units**

A survey of the field of public health, including disease prevention and control; the social, medical, and economic aspects of sickness and disability, with special emphasis on administrative programs of federal, state, and local health agencies.

Three one-hour periods per week.

RELATED COURSES IN OTHER DEPARTMENTS

Anatomy 66 (Human Anatomy)-----	3 units
Bacteriology 1 (General Bacteriology)-----	4 units
Biology 103 (Micro-Technique)-----	2 or 3 units
Education 111 (Growth and Development of the Child)-----	3 units
Home Economics 20 (Elementary Nutrition and Foods)-----	3 units
Home Economics 122 (Nutrition Work With Children)-----	3 units
Physical Education 151 (Applied Kinesiology)-----	3 units
Physical Education 152 (Methods in Corrective Physical Education)	
-----	2 units
Physiology 1 (Elementary Physiology)-----	5 units

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

* Not given 1943-44.

SOCIAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ECONOMICS AND BUSINESS

LOWER DIVISION

	<i>Units</i>
Commerce and Economics-----	18
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences-----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English	
1A-1B (Composition and Literature)-----	6
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology)-----	3
Social Sciences (in addition to Economics)-----	6-8
History 4A-4B (History of Western Civilization)-----	6
Recommended elective: Geography 2 (Cult. and Reg.)-----	2

UPPER DIVISION

Commerce and Economics-----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government)-----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major.

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SOCIAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Social Sciences -----	14-15
(See tabulation of major requirements on next page.)	
Elective -----	2 or 3
Biological and Physical Sciences-----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English	
1A-1B (Composition and Literature)-----	6
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology) -----	3

UPPER DIVISION

Social Sciences	Units 24
(See tabulation of major requirements below.)	
Political Science	
151 (American Constitutional Government)	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SOCIAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Social Sciences, with these additional requirements:

- (a) Foreign Languages 15 units
(In not more than two languages. Each year of high school foreign language may be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)
- (b) Education (upper division) 6 units
- (c) One of the minors must be completed in a subject field taught in high school.
- (d) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See p. 40.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Pre-Secondary Major in Social Sciences</i>		<i>Liberal Arts Major in Economics and Business</i>	
Lower Division...	Economics 1A-1B..... 6 units	Commerce	
	History 4A-4B..... 6 units	Com. 14A-14B..... 6 units	
		Com. 40..... 3 units	
		Economics	
		Econ. 1A-1B..... 6 units	
		Econ. 40..... 3 units	
Upper Division...	U.D. Economics..... 9 units	Commerce	
	U.D. History..... 9 units	Com. 130..... 3 units	
	Additional U.D. Social Science 6 units	Com. 134..... 3 units	
		Economics	
		Econ. 113..... 3 units	
		Econ. 120..... 3 units	
		Econ. 134..... 3 units	
		Econ. 135..... 3 units	
		Econ. 150 or 151..... 3 units	
		Econ. 188 or 195..... 3 units	
Total units required.....	36 units		42 units

Junior High School Majors

Lower Division-----	Economics 1A-1B -----	6 units	
	History 4A-4B -----	6 units	
Upper Division-----	U. D. Econ.---12 units	U. D. Hist.---12 units	U. D. Econ.---6 units
			U. D. Hist.---6 units
Total units required---	24 units	24 units	24 units

	<i>Economics</i>	<i>Minors History</i>	<i>Social Science</i>
Lower Division-----	Econ. 1A-1B---6 units	Hist. 4A-4B---6 units	Econ. 1A-1B---6 units
			Hist. 4A-4B---6 units
Upper Division-----	U. D. Econ.---6 units	U. D. Hist.---6 units	U. D. Econ.---3 units
			U. D. Hist.---3 units
Total units required---	12 units	12 units	18 units

DESCRIPTION OF COURSES

Economics

LOWER DIVISION

1A-1B. Principles of Economics (year) 3-3 units

First semester: The evolution of modern capitalistic industry; business organization and control; money; banking; and international trade.

Second semester: The economic laws of value, price, and of the distribution of wealth and income; problems of government finance, labor, and economic reform.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

See Commerce 14A-14B.

40. Elementary Statistical Methods (spring) 3 units

See Mathematics 40.

UPPER DIVISION

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor.

***113. Economic and Social History of the United States (spring) 3 units**

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

- *120. Business Organization (spring) 3 units**
 The practical problems of organization, control, and management of private enterprise; and the relation of the government to business; emphasis on instruments and methods of financing.
 Three one-hour periods per week.
- 123. Marketing (spring) 3 units**
 See Commerce 134.
- *135. Principles of Money and Banking (fall) 3 units**
 The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.
 Three one-hour periods per week.
- 150. Labor Economics (fall) 3 units**
 A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.
 Three one-hour periods per week.
- 151. Social Security in the United States (spring) 3 units**
 The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.
 Three one-hour periods per week.
- 188. World Population and Resources (spring) 3 units**
 Distribution of the world's population and resources and their relationship in terms of economic welfare; areas of population pressure; measures for economic cooperation in the interests of world peace.
 Three one-hour periods per week.
- *195. Principles of International Commerce (spring) 3 units**
 The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; international debts; government control and direction of international trade.
 Three one-hour periods per week.

Geography

- 1. Introduction to Geography (fall) 3 units**
 The nature of maps; weather and the climates of the world; land forms and their associated soils, with special reference to their climatic relation; the seas and their coasts.
 Three one-hour periods per week.

* Not given 1943-44.

2. Cultural and Regional Geography (fall, spring) 2 or 3 units

A brief study of the physical environment as the home of man in terms of climatic regions, followed by a more intensive study of the economic activities and the culture pattern of these regions.

Two one-hour periods per week for 2 units. Students planning to transfer to the School of Business Administration at the University of California may obtain an additional unit of credit by doing outside independent study assigned by the instructor.

History**1M. The War Today (fall, spring) 1 unit**

Background of the present war, and its current developments. Intended particularly for those who expect to enter the armed forces.

One one-hour period per week.

4A-4B. History of Western Civilization (year) 3-3 units

A rapid survey of the political, economic, social, religious, and cultural development of western civilizations from ancient times to the present.

First semester: From ancient times to 17th century.

Second semester: From 17th century to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

UPPER DIVISION

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor.

146. Europe since 1870 (fall) 3 units

The political, economic, and social development of pre-war Europe; pre-war diplomacy and causes of the World War; the World War; post-war developments in the several European states; international relations; present cultural status.

Three one-hour periods per week.

***149. History of Russia (spring) 3 units**

The internal developments and the foreign relations of Russia from the time of Peter the Great down to the present.

Three one-hour periods per week.

***167. The Foreign Relations of the United States (fall) 3 units**

The foreign policy of the United States in the 19th century; the rise of the United States to a position of world power and the problems and changes growing out of this new position.

Three one-hour periods per week.

179. The United States on the Pacific (spring) 3 units

Establishment of American settlement and rule on the Pacific slope of North America and in the islands of the Pacific; role of the United States as a modern Pacific power.

Three one-hour periods per week.

* Not given 1943-44.

***189. History of the Pacific Coast (fall) 3 units**

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

Political Science**151. American Constitutional Government (fall, spring) 2 units**

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

* Not given 1943-44

SPEECH AND DRAMATICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SPEECH AND DRAMATICS

LOWER DIVISION

	<i>Units</i>
Speech -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	14
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English -----	12
1A-1B (Composition and Literature) -----	6
56A-56B (Survey of English Literature) -----	6
Foreign language -----	15
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of this requirement may be satisfied by upper division courses.)	
Philosophy -----	
6A-6B (Introduction to Philosophy) -----	6
Physical Education -----	
Activities (to include approved courses in dancing) -----	2
Psychology -----	
1 (General Psychology) -----	3
Social Sciences -----	14
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6
Geog. 2 (Cultural and Regional Geography) -----	2
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics, or History 4A-4B plus six units of upper division History.)	

UPPER DIVISION

Speech -----	18
(See tabulation of major requirements on next page.)	
English -----	6
(Consult Speech Department concerning choice of courses.)	
Education -----	6
Political Science -----	
151 (American Constitutional Government) -----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SPEECH AND DRAMATICS

The requirements for this degree are the same as those for the liberal arts A.B. degree in Speech and Dramatics, with these additional requirements:

- (a) One of the minors must be completed in a subject field taught in high school.
- (b) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 41.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Speech 1A-1B__6 units 6 units chosen from: Speech 2A-2B__6 units Speech 10____3 units Speech 17____3 units Speech 18____1 unit Speech 25__1 to 4 units	Speech 1A____3 units Speech 2A____3 units 6 units chosen from: Speech 1B____3 units Speech 2B____3 units Speech 10____3 units Speech 17____3 units Speech 18____1 unit Speech 25__1 to 6 units Speech 80__1 or 2 units	6 units of L. D. Speech
Upper Division-----	Speech 112____3 units Speech 120A____3 units Speech 155A- 155B____6 units Speech 117, 118, 180, 181, (two courses) ____6 units English____6 units (To be chosen in con- sultation with Speech Department.)	Speech 102____3 units Speech 155A____3 units Speech 117, 118, 180, 181, (two courses) ____6 units	6 units of U. D. Speech
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Public Speaking (fall, spring) 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. Public Speaking (spring) 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice in extemporaneous speaking.

Prerequisite: Speech 1A.

Three one-hour periods per week.

2A. Expression and Interpretation (fall, spring) 3 units

A basic course in voice training and in the art of oral interpretation. Oral interpretation of poetry, short stories, and dramatic scenes from the standpoint of both emotional and intellectual reaction.

Three one-hour periods per week.

2B. Expression and Interpretation (fall, spring) 3 units

Continuation of Speech 2A but with particular attention to the specific needs and abilities of the individual student, which determine his activities in class. Particular attention is given to the needs of prospective teachers with respect to reading aloud in the classroom.

Prerequisite: Speech 2A.

Three one-hour periods per week.

10. Technique of Acting (fall) 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Two two-hour periods per week.

***17. Radio Production (fall, spring) 3 units**

Study of and practice in the fundamentals and techniques of radio production and radio speech. Each student will participate in diversified radio presentations given in the studio of the local radio station.

Two one-hour class periods and one two-hour laboratory period per week.

18A, B, C, D. Radio Workshop (fall, spring) 1 unit

Students in this course are responsible for the College's radio programs presented over the local radio station. They write, direct, produce, enact, and announce the programs. Though the emphasis is on learning by doing, the student is encouraged to explore the literature on those aspects of radio which particularly interest him.

Two one-hour periods per week and work in the radio studios.

25A, B, C, D. Dramatic Workshop (fall, spring) 1 or 2 units

A laboratory course in acting and in the technical practices of the stage, including construction of sets, stage lighting, theatrical costume and make-up. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance.

Three two-hour periods per week.

80. Speech Clinic (fall, spring) 1 unit

Individual instruction for students having minor disturbances of voice or speech as well as those having more serious disorders. Consent of the instructor must be obtained for enrollment.

Two half-hour periods per week.

UPPER DIVISION

112. Phonetics (fall) 3 units

Principles of phonetics; pronunciation, based on contemporary American usage; phonetic analysis applied to speech improvement.

Three one-hour periods per week.

117. Advanced Radio Production (fall, spring) **3 units**

A continuation of Speech 17, with opportunity for each student to center his activities in one or more of the following fields of radio: speech, dramatic production, writing, advertising, organization.

Two one-hour class periods and one two-hour laboratory period per week.

118A, B, C, D. Advanced Radio Workshop (fall, spring) **1 unit**

A course of the same character as Speech 18 for advanced students. Prerequisite: Speech 18 or consent of the instructor.

Two one-hour periods per week and work in the radio studios.

120A. Advanced Dramatics (fall, spring) **3 units**

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Two two-hour periods per week.

125A, B, C, D. Advanced Dramatic Workshop (fall, spring) **1 or 2 units**

A course of the same character as Speech 25 for advanced students. Prerequisite: Speech 1A-1B or consent of the instructor.

Three two-hour periods per week.

155A. Play Production (fall) **3 units**

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. Play Production (spring) **3 units**

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

***180. Speech Correction** (fall) **3 units**

The classification, diagnosis, and treatment of speech defects. Theory supplemented by demonstrations and supervised practical work with children and adults in the speech clinic. Intended particularly for training prospective teachers to recognize and correct speech defects of elementary school children.

Three one-hour class periods and one two-hour laboratory period per week.

181. Directed Study in Speech Problems (fall, spring) **1-3 units**

Student assists in speech training. Consent of instructor required for enrollment.

Hours to be arranged with the instructor.

DIRECTORY OF PERSONNEL HUMBOLDT STATE COLLEGE

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STATE DEPARTMENT OF EDUCATION

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MARGARET BROOKINS	Comptroller of Student Accounts

HUMBOLDT STATE COLLEGE IMPROVEMENT ASSOCIATION

An incorporated body to obtain necessary property for the State and to serve in an advisory capacity for the College

J. J. KROHN, President

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VERNON L. HUNT

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* On leave of absence, 1943-44.

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WILSON, BERT F., M.A.**PROFESSOR OF COMMERCE**

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WOODCOCK, JESSIE TURNER**FINANCIAL SECRETARY**

Graduate Humboldt State Teachers College. Postal clerk; book-keeper.

* On leave of absence, 1943-44.

Part-Time Instructors

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JACKSON, ROWENA FAYE

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LANPHERE, HORTENSE M., M.S.

LECTURER IN BIOLOGICAL SCIENCE

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Teachers in the College Elementary School

CHRISTIANSSEN, JEANETTE, A.B. KELLENBERGER, ELEANOR, A.B.

ELMORE, WARRENE, A.B.

FACULTY COMMITTEES—1943-44**Advanced Standing**

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Mrs. McKittrick
Miss Platt

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Mrs. Hadley, Chr.
President Gist
Dr. Jeffers
President Student Body

Catalog

Mrs. Gustafson, Chr.
Dr. Fisher
Mrs. McKittrick
Miss Platt

Curriculum

President Gist
Mrs. McKittrick
Department
concerned

Honor Awards

President Gist
Miss Johnson
Mr. Hunter

Placement

Mr. Drag, Chr.
Miss Bestor
Miss Dickson
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**Recreation and Social Life
(Faculty)**

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Miss Bestor
Mrs. Little
Dr. MacGinitie
Mrs. Woodcock

Registration

President Gist
Mrs. McKittrick
Miss Platt
Mrs. Woodcock

Scholarship

Miss Platt, Chr.
Dr. Balabanis
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Dr. Balabanis, Chr.
Mrs. Hadley
Mr. Murphy
Two students

Student Employment

President Gist
Mrs. Hadley
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Student Loans

Mr. Arnold
Mr. Bert Wilson
Mr. Murphy
Mrs. Woodcock

Student Personnel

Mrs. McKittrick, Chr.
Mrs. Hadley
Miss Romero
Mr. Murphy
Mr. Drag

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Biological and Physical Sciences	Dr. William Lanphere
Commerce	Miss Imogene B. Platt
Education and Teacher Training	Mr. Francis L. Drag
English	Mr. Maurice H. Hicklin
Home Economics	Mrs. Ellen J. Walter
Industrial Education	Mr. Horace Jenkins
Mathematics and Philosophy	Mr. Homer L. Arnold
Modern Languages	Miss Adella Johnson
Music	Dr. Edmund V. Jeffers
Physical Education	Mrs. Monica W. Hadley
Social Sciences	Dr. Raymond H. Fisher
Speech and Dramatics	Mr. Don W. Karshner

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HUMBOLDT STATE COLLEGE

"IN THE REDWOOD EMPIRE"

ARCATA
CALIFORNIA

VOL. XXIX JUNE 1, 1944 NO. 4

HUMBOLDT STATE COLLEGE
» » BULLETIN « «

Volume XXIX, No. 4

June 1, 1944

CIRCULAR OF INFORMATION
 AND
ANNOUNCEMENT OF COURSES
COLLEGE YEAR, 1944-1945

A STATE COLLEGE FOR THE TRAINING
OF TEACHERS FOR THE PUBLIC SCHOOLS
AND FOR GENERAL COLLEGE WORK

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AUG 10 1944

UNIVERSITY OF ILLINOIS

Entered as second-class matter, April 4, 1916, at the post office at Arcata,
California, under the act of August 24, 1912

Published four times annually in the months of February,
April, May, and June



ADMINISTRATION BUILDING

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ACADEMIC CALENDAR, 1944-1945

Fall Semester, 1944

REGISTRATION PERIOD	Thursday and Friday, September 7 and 8
Language Arts Tests	Thursday, 9 a.m.
College Aptitude Test	Thursday, 2 p.m.
Registration of—	
Seniors and 2d-semester Freshmen	Thursday, 9 a.m. to 12 m.
Sophomores	Thursday, 1 to 4 p.m.
Juniors	Friday, 9 a.m. to 12 m.
1st-semester Freshmen	Friday, 9 a.m. to 4 p.m.
INSTRUCTION BEGINS	Monday, September 11
Last day for program changes	Friday, October 6
Mid-term warning notices	Friday, November 10
THANKSGIVING RECESS	Thursday-Sunday, November 23-27
CHRISTMAS HOLIDAYS	Saturday, December 16, through Monday, January 1
SEMESTER EXAMINATION	Saturday, Monday, Tuesday, and Wednesday, January 20, 22, 23, and 24

Spring Semester, 1945

REGISTRATION PERIOD	Monday and Tuesday, January 29 and 30
Language Arts Tests	Monday, 9 a.m.
College Aptitude Test	Monday, 2 p.m.
Registration of—	
Seniors and 2d-semester Freshmen	Monday, 9 a.m. to 12 m.
Sophomores	Monday, 1 to 4 p.m.
Juniors	Tuesday, 9 a.m. to 12 m.
1st-semester Freshmen	Tuesday, 1 to 4 p.m.
INSTRUCTION BEGINS	Wednesday, January 31
Last day for program changes	Friday, February 23
Mid-term warning notices	Friday, April 6
SPRING VACATION	Saturday through Sunday, March 24-April 1
MEMORIAL DAY	Wednesday, May 30
SEMESTER EXAMINATIONS	Friday, Saturday, Monday, and Tuesday, June 1, 2, 4, and 5
COMMENCEMENT	Friday, June 8

Summer Session, 1945

(Probable Dates)

Six Weeks	June 25 to August 3
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Fall Semester, 1945

(Probable Dates)

Language Arts Tests	Wednesday, September 6, 9 a.m.
College Aptitude Test	Wednesday, September 6, 2 p.m.
Registration Period	Thursday and Friday, September 7 and 8

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NOTE TO THE PROSPECTIVE STUDENT

A Word about the College

Humboldt State College offers the prospective student several advantages and attractions. Despite its small size it can meet a considerable variety of educational needs. For those who look to teaching as a career the College provides sound and modern courses of training for the kindergarten through the junior high school levels. For those who desire a cultural education it offers the basic studies in the humanities and sciences. For those embarking upon a particular professional career it offers the studies necessary as groundwork and background. For those wishing to enter the business world it provides both practical training courses and a liberal arts curriculum in business.

Besides these educational facilities, which are the primary function of any college or university, the College affords a congenial dormitory life, an athletic program that gives opportunity to the experienced and inexperienced alike, and a natural environment that is not bettered anywhere in the state for scenery and opportunities for outdoor life. And lastly, though not least, because of its small size the College affords opportunity for students and faculty both to become acquainted with one another to a degree not possible in large schools.

A Word about this Catalog

This catalog is your introduction to the purposes and work of Humboldt State College. In it we have sought to put all the information necessary in order for you to know what courses of study the College offers and how the College and its student body are organized and function. Careful study of it will enable you to find your way about amidst the necessary curricular requirements and regulations with a minimum of assistance. An extensive table of contents in the front of the catalog is intended to help you find whatever you wish or need to know.

Acquaintance with some matters you can leave until after you have become well established in the College, but with certain parts of this catalog you should familiarize yourself as soon as you have decided to enter the College, namely:

(1) *How you enter the College.* The requirements and procedure for entrance and registration in the College are told in

the section titled "Admission to the College." The procedure for enrolling in classes is specified under "Academic Regulations."

(2) *What rules and regulations you are subject to once you are in the College.* Those rules and regulations applying to all students are found in the section "Academic Regulations." All students are held responsible for a knowledge of them. Those requirements referring to particular curricula are found under "Degrees, Credentials, and Curricula."

(3) *What courses of study you wish to follow.* The several groupings of curricula you will find outlined and described under "Degrees, Credentials, and Curricula." Specific curricula are detailed under the various departments in the section "Courses of Instruction." A system of cross references to pages in both sections should enable you to find your information readily. The explanatory note at the beginning of the section "Courses of Instruction" is called to your attention.

(4) *What your expenses will be.* Expenses and the fees charged by the College and student body are listed under "Fees and Expenses." They are payable at the time of registration. Living expenses vary with the individual, but as a rule they are not high in Arcata. Living arrangements are discussed under "Student Life." Those students seeking financial assistance will find a few scholarships listed in the section "Student Life" and directions for seeking employment or temporary loans under "Fees and Expenses."

If, despite our best efforts, certain requirements or regulations are not entirely clear, feel free to communicate with the Office of the Registrar of the College, or if you can, personally visit us.

Meanwhile we invite you to come to Humboldt and hope we can welcome you here when the new semester opens.

THE PRESIDENT AND FACULTY
OF HUMBOLDT STATE COLLEGE

THE COLLEGE

LOCATION

Humboldt State College is located in the town of Arcata, which is situated on the north shore of Humboldt Bay in northern California. Backed by high forested hills, the College occupies a conspicuous position on the top of a hill, about a mile from the center of town. It commands an unrestricted panorama of forested mountains, bay, dairy and farm lands, sand dunes, Pacific Ocean, and at night the lights of Arcata, Eureka, and Samoa.

Arcata, the first town to be established in northwestern California, is located on the famous Redwood Highway eight miles north of Eureka and 300 miles north of San Francisco. It is reached by the Northwestern Pacific Railroad and Pacific Greyhound Lines. It has a population of approximately three thousand. Lumbering, box manufacturing, and dairying form the basis of the business life of the community. Eureka nearby is a thriving city of about twenty thousand people. It is the county seat of Humboldt County and is the site of a woolen mill and several lumber mills. About fifty miles south of Eureka is Cape Mendocino, the westernmost point of the mainland of California. Humboldt State College holds the distinction of being the college farthest west in the United States.

The climate of the Humboldt Bay region, though moist, is stimulating and equable, the extremes of heat and cold being absent. Summer and fall are particularly delightful seasons.

PHYSICAL EQUIPMENT

Campus and Buildings

The physical plant of the College comprises a compact group of buildings and athletic facilities, appropriately landscaped. The main building, a rectangular two-story structure surrounding an inner court, houses the administrative offices, faculty offices, classrooms, library, student social unit, and auditorium. Adjacent to the main building are the original normal school buildings, used today for a variety of purposes. In the rear are a modern gymnasium and athletic field, on which has been erected one of the finest commando courses in

the State. In front, across the street from the main building, are four tennis courts for use of the students and faculty. Not far from the main building is Nelson Hall, a modern dormitory named in honor of State Senator Hans C. Nelson, who contributed much to the development of the College. It includes a well-equipped dining commons. A small greenhouse, a fish hatchery, and game-bird breeding pens make up the remaining physical facilities of the College.

Back of the athletic field and gymnasium the College owns a large tract of second-growth redwood forest, in which have been cut a number of trails and clearings for purposes of recreation and botanical study.

Library

The library, situated off the south end of the inner court, contains some twenty thousand volumes. Though not large, this collection is well distributed as to subject matter, including recreational reading, and is constantly being added to. Its periodical list contains nearly one hundred and fifty titles, about half of which are scientific and professional and the rest of general nature. For many of the titles which the library does not possess it draws upon the collection of the California State Library, with which it has a borrowing arrangement. If desired, the library will also borrow, at a small expense charge, from the great collection of the library of the University of California at Berkeley. The library requirements of a small college are thus met in adequate fashion.

College Elementary School

The College maintains an elementary school on the campus, a short distance from the main building. It is here, as well as in the schools of Eureka and Arcata, through the cooperation of their school authorities, that the student teaching by the teaching credential candidates is conducted.

The College Elementary School extends from the kindergarten through the eighth grade and is housed in a commodious and modern building of reinforced concrete. Adjacent to the building are large fenced-in playfields.

HISTORICAL NOTE

Humboldt State College is one of the seven California state colleges, which have developed out of the old state normal schools. The original Humboldt State Normal School was established in 1913 by an act of the Legislature. Actual instruction began on April 6, 1914, the first class sessions being held in the Arcata Grammar School under an agreement between the Board of Education of Arcata and the normal school authorities.

The fine site of the College was donated by William A. Preston and the Union Water Company, whose officers were Noah H. Falk, Len Yocom, Mrs. Arthur Way, and Mrs. Kate Harpst. By January, 1915, temporary wooden buildings were constructed and ready for occupancy. In 1917 the Legislature appropriated \$245,000 for the permanent main building, which has been in use since February, 1922. A \$70,000 gymnasium was added in 1930 and the four tennis courts and the College Elementary School in 1933.

The professional curriculum in teacher training originally required two years to complete. Gradually it was extended and broadened to include many of the liberal arts and the sciences, so that today at least four years must be spent to complete any teacher credential curriculum offered by the College.

Control of the institution was first vested in a local board of trustees, appointed by the Governor. In 1921 control was transferred to the State Department of Education and the College placed in the hands of the Director of Education and the State Board of Education. The Legislature at the same time changed all of the Normal Schools to State Teachers Colleges, and authorized the State Board of Education to grant the Bachelor of Arts degree in Education. In 1935 the Legislature changed the name to Humboldt State College and authorized the granting by the College of the Bachelor of Arts degree in the liberal arts. Thus the College now functions as a teacher training institution and as a regional college.

STUDENT LIFE

LIVING ACCOMMODATIONS

Living quarters for students in attendance at the College are available in Nelson Hall, a modern dormitory, operated by the College under the supervision of the Head Residents and the President. It accommodates 30 women and 35 men in a congenial and comfortable environment.

All rooms are double rooms and rent at the rate of \$7 a month per person. Bedding and towels and their laundering are provided by the dormitory. Students residing at the dormitory must agree to take their meals at the dining commons, at reasonable rates, with allowance for regular absences over weekends. The cost of meals at the commons averages from \$1.25 to \$1.50 per day.

Other students, faculty members, and their friends are privileged to obtain meals at the commons in Nelson Hall at reasonable rates.

Application for admission to Nelson Hall should be made through the office of the Financial Secretary. New students at Humboldt State, who are not known personally by the faculty, must accompany their application with two letters recommending the applicant's character and integrity. These letters should be from teachers or friends who have a personal acquaintance with the applicant.

All lower division women students who do not commute daily to the College are expected to live in Nelson Hall, unless special arrangements are made by the parents with the Dean of Women. It is advisable, also, for upper division women to reside in the dormitory.

Because of the emergency conditions now prevailing, it is difficult to find suitable accommodations for board or room in the community. However, if a room or apartment is desired, the student should consult the Financial Secretary at an early date as it would be necessary to make arrangements well in advance of the opening of the semester.

It is important that the College have correct local and home addresses for all students. A record of these addresses is kept both in the office of the Secretary to the President and in the office of the Registrar.

STUDENT ORGANIZATIONS

A number of student activities are carried on in the College in the form both of various student organizations and of certain activities such as athletics, dramatics, and music for which college credit is given. The administration is convinced of the value to prospective teachers of participation in a reasonable number of these activities.

Student Body Government

In keeping with the democratic tradition in American education the College administration encourages student body government as a means by which the students may acquire an appreciation of and practical experience in the art of self-government. It is expected that such government will develop leadership and a sense of responsibility among the students. However, the faculty retain authority and supervision over certain matters, such as student body finances and relations with individuals or groups outside the College where sound financial practice, legal responsibilities, and the best interests of the students make it advisable.

The organization of the associated students, known officially as the Student Service Association, consists of five officers—President, Vice-President, Secretary, Treasurer, and Publicity Manager—a Board of Control, and an Executive Committee. The student body officers are elected annually in the spring. The *Board of Control*, composed of the Vice-President of the student body as ex-officio chairman, three women, and three men elected along with the student body officers, is charged with the responsibility of maintaining high standards of conduct around the College. The *Executive Committee* consists of the five elected student body officers, the members of the Board of Control, and a faculty sponsor appointed by the President of the College. Its duties are to hold student body elections, set student body dues, approve and adjust the budget, authorize purchases and the payment of bills, inventory school property at the end of the school year, and oversee student body affairs in general.

Student Bookstore

For the convenience of the students the student body maintains a bookstore, where college textbooks and supplies may be obtained at cost, and a soda fountain.

Clubs and Societies

To recognize scholastic achievement, encourage particular interests, and afford recreation the students have established a number of organizations, which are authorized by and coordinated through the Student Service Association. They are listed with their sponsors as follows:

- Alpha Psi Omega (a national dramatics fraternity)
Sponsor: Mrs. Karshner
- Associated Women Students
Sponsor: Mrs. Hadley
- Chi Sigma Epsilon (local scholastic honor society) See p. 16
Sponsor: Miss Johnson
- The College "Y"
Sponsors: Dr. Hall and William J. Thomas (Community representative)
- Favonian Club (women's social club)
Sponsor: Mrs. Telonicher
- Home Economics Club
Sponsor: Miss Stoner
- Humboldt State College Ski Club
Sponsor: Dr. Lanphere
- Humboldt Tap Club
Sponsor: Mrs. Hadley
- Kindergarten-Primary Club
Sponsor:
- Men's Association
Sponsor: John Van Duzer
- Mu Epsilon Psi (music club)
Sponsor:
- Rho Sigma (sophomore honor society) See p. 16
Sponsors: Miss Johnson and Chi Sigma Epsilon
- Sigma Epsilon Rho (science club)
Sponsor: Dr. Lanphere
- Student Teachers' Club
Sponsors: College Elementary School Staff
- Women's Athletic Association
Sponsor: Mrs. Hadley

In addition the freshmen, sophomore, junior, and senior classes have each its class organization and faculty sponsor.

PUBLICATIONS

A weekly college newspaper, the "Lumberjack" is published by the associated students.

The student yearbook, "Sempervirens," is usually published in the spring.

SCHOLASTIC HONORS

Conferred by the Faculty

GRADUATION HONORS are awarded to graduating students at Commencement, subject to the approval of the faculty, on the basis of their scholastic index achieved in their undergraduate work as follows:

Index 2.00-2.34—with honor

Index 2.35-2.74—with high honor

Index 2.75-3.00—with highest honor

SEMESTER HONORS are given to all regular students who during a semester complete twelve or more units of work carrying a letter grade and who achieve a scholastic index of 2.00 with no *F*'s or *Incompletes*. These honors are announced at the Chi Sigma Epsilon honor assembly early in the following semester.

THE PRESIDENT'S CUP has been provided as a stimulus to student teaching and a recognition of meritorious work. Each year there is engraved upon the cup the name of the student who, in the judgment of the faculty of the College Elementary School, most stands out because of his or her teaching in the Elementary School.

THE PHI BETA KAPPA MEDAL is presented at Commencement by the Phi Beta Kappa members of the faculty to the student of sophomore standing or higher who makes the highest scholastic average during the year.

Conferred by the Students

CHI SIGMA EPSILON is the upper division honor society, which elects members during the first part of each semester. High scholastic attainment, qualities of leadership, and high ideals of character form the basis of selection. Chi Sigma Epsilon Pledging Day honors with an assembly the students elected to membership.

RHO SIGMA is a sophomore honor society, sponsored by Chi Sigma Epsilon, whose active members select them each semester from the sophomore class on the same basis as election to Chi Sigma Epsilon.

THE CHI SIGMA EPSILON FRESHMAN MEDAL is presented each spring to the student who, in the opinion of the members of Chi Sigma Epsilon, is the outstanding member of the freshman class. Scholarship, character, and participation in student activities determine the award.

SCHOLARSHIPS AND MONETARY AWARDS

Conferred by College Organizations

AWARD FOR CREATIVE WRITING. President and Mrs. Gist have provided an annual prize of \$10 to stimulate creative writing. The arrangements for submitting manuscripts and the selection of the recipient are in the hands of the Department of English.

CHI SIGMA EPSILON SCHOLARSHIP. This scholarship, which covers the general student fees for the fall semester of the freshman year, is donated by Chi Sigma Epsilon to a high school graduate of Humboldt or Del Norte County on the basis of scholarship, character, and participation in activities while in high school.

FACULTY WOMEN'S GIFT. The Faculty Women's Club of the College presents a monetary gift to a graduating woman at the close of the academic year. The award is made on the basis of scholarship and character.

MEN'S ASSOCIATION SCHOLARSHIP. The Men's Association of the College grants scholarships to two men graduates of the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic abilities. The scholarships consist of tuition paid for the fall semester of the freshman year. Selection is made by the scholarship committee of the Association from a list of candidates recommended by the high school principals.

Conferred by Civic Organizations and Individuals

ARCATA KIWANIS CLUB AWARD. The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

ASSOCIATED BUSINESS GIRLS' AWARD. The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

BUSINESS AND PROFESSIONAL WOMEN'S SCHOLARSHIP. The Business and Professional Women's Club of Eureka maintains a fund from which scholarships are awarded on a loan basis to women selected by the Club.

CRAIG SCHOLARSHIPS. Two scholarships have been established by Miss Ann V. Craig, former member of the College faculty, in honor of her father and mother. The Edith R.

Craig Scholarship is presented to a freshman student chosen at the end of his or her freshman year at the College. The John F. Craig Scholarship is presented to a sophomore student chosen at the end of his or her sophomore year at the College. Selection of the recipients is made by a faculty-student committee of three from those students in the respective classes who have a scholarship index of 2.0 or better and who have participated actively and commendably in at least one extra-curricular activity. Other considerations being equal, preference is given to the students with the greatest financial need. Each scholarship consists of \$25 for each semester of the following year to pay tuition, registration, and to purchase textbooks.

THE HUMBOLDT COUNTY FEDERATION OF WOMEN'S CLUBS SCHOLARSHIPS. Each year the Humboldt County Federation of Women's Clubs awards scholarships of \$50 each in voice, musical instruments, and pre-nursing. The music scholarships provide a year's private instruction at the College. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor at the College in the field in which the award is made.

During the emergency, one scholarship is to go to a student in the pre-nursing field. Selection of the recipient will be based upon scholastic record, character and seriousness of purpose, as evidenced either in high school or in college. Application should be made through the President of the College.

ARCATA ROTARY CLUB HONOR ENTRANCE SCHOLARSHIP. This annual scholarship of \$50 is offered by the Arcata Rotary Club to an outstanding graduate of Arcata Union High School who enrolls as a beginning freshman at Humboldt State College. Applicants must present transcript evidence of high scholarship in the work taken during their last three years in high school, with not less than 10 recommended units from high school as a minimum scholarship requirement. They must also be recommended by the principal as persons of good character who, as high school students, have participated in school activities in a commendable manner. Application should be made through the President of the College.

SEQUOIA MUSIC CLUB SCHOLARSHIPS. The Sequoia Music Club awards each year on a loan basis at least two scholarships of \$50 in music. These scholarships provide for a year of private lessons at the College in either voice, piano, violin, or cello. Recipients are determined by an annual contest at the

College in the spring. They must be high school graduates of good standing and must major or minor in music at the College for the duration of the award.

SOUTH FORK P. T. A. SCHOLARSHIP. The Parent-Teacher Association of the South Fork Union High School awards a scholarship sufficient for fees and books to an outstanding and deserving graduate of that school.

VOCATIONAL REHABILITATION. The Bureau of Vocational Rehabilitation, State Department of Education, offers its service to students who have an employment handicap resulting from physical disability of any kind. Included are vocational counseling, the payment of tuition and fees, and the provision of textbooks without charge.

For additional information concerning the foregoing scholarships and awards, communicate with the Office of the Registrar, Humboldt State College, Arcata, California.

SOCIAL LIFE

Because of the small size of the College and the presence of a college dormitory a highly congenial and informal social life prevails, in which the faculty as well as the students take part.

A considerable number of student dances are given throughout the college year under student body auspices. The Associated Women Students hold a Freshman Round-Up early in the fall semester. In the spring they give a combined Mother's Day tea and fashion show, as well as a tea honoring the new freshmen students. They also assist as hostesses at social functions in honor of visiting schools or given by the faculty. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. A number of impromptu social functions are held among the students residing in the dormitory. At the end of the spring semester just before Commencement the graduating seniors conclude their undergraduate days with a series of outings and a senior banquet and ball.

The faculty sponsor several social functions for the students. Early in the fall, President and Mrs. Gist, Dean Hadley and Dean Van Duzer entertain the freshmen and new students at a tea held in the Social Unit of the College. In the spring President and Mrs. Gist entertain the seniors at a tea in their home. During the last month of school, the Faculty Women's Club entertain the graduating women. Likewise, after the Baccalaureate services, which are held in the College Court, the faculty give a reception in honor of the graduating class.

ATHLETICS AND RECREATION**Intramural Sports**

To promote recreation and physical development the Department of Physical Education conducts a program of intramural sports.

Among the women class teams are organized in field hockey, volleyball, basketball, and softball, and play through a tournament in the course of the semester. During the spring semester the women hold an Individual Sports Day, which consists of final matches in tennis, archery, badminton, and golf, after a series of elimination matches preliminary to this event. The Women's Athletic Association, in conjunction with the Department of Physical Education, sponsors a Play Day at the College for the girls in all the high schools in Mendocino, Humboldt, and Del Norte counties.

For the men intramural competition is organized in basketball, volleyball, tennis, and golf. The Department of Physical Education sponsors an annual boys' basketball tournament for the high schools in Humboldt County. This tournament is held in the College gymnasium during the afternoon and evening and is open to the public.

Men's Athletics

The student body conducts a full program of men's intercollegiate athletics that includes football, basketball, baseball, track, and tennis, on both the varsity and junior varsity level. The College is now a member of the Far Western Conference. Competition is scheduled both in and outside of the Conference with colleges and amateur athletic organizations in California and Oregon. A large number of the men students participate in the intercollegiate competition of the College, for the coaching staff is especially interested in developing capable performers out of individuals with little or no athletic experience.

The Department of Physical Education requires all men participating in intercollegiate athletics and all women participating in intramural sports to pass a health examination each season.

Recreation

The student seeking recreation on his own will find in the surrounding country a variety of scenic and natural attractions. Several miles of sand dunes extend along the ocean from the north jetty of the entrance to Humboldt Bay to Little River. North of Little River the coast becomes rugged, with

numerous caves, points, and reefs. About twenty miles north of Arcata on the Redwood Highway is Patrick's Point with fine picnic facilities, and a couple of miles beyond that is Big Lagoon, a virtual salt-water lake which, protected from ocean breakers, affords safe swimming and boating. Within an hour's drive or less one can reach the famous redwood groves south of Scotia and north of Patrick's Point, as well as along the Van Duzen River. At North Dyerville Flat stands the tallest tree in the United States, 364 feet in height. Consultation of any good road map of northern California will suggest several interesting trips into a rugged and little settled back-country interior from the coast.

Still other attractions offer themselves. Humboldt County possesses a relative abundance of wild game and fish. In the winter there is skiing on Grouse Mountain, where the College Ski Club has built a cabin. In the summer there is swimming in the pools of Mad and Eel Rivers. The golf courses near Arcata and Eureka make special rates to students. The lighthouse at Cape Mendocino, the lighthouse and Spanish cross at Trinidad Head, the Blowhole three miles south of Trinidad, the Coast Guard station on the peninsula, the woolen mill in Eureka, the box factory in Arcata, and the large lumber mills in Samoa, Eureka, and Scotia are places well worth visiting.

MUSIC AND DRAMA

There is abundant opportunity for students to participate in musical and dramatic activities at Humboldt. A wide and varied program is offered in both fields.

Musical organizations include a Little Symphony Orchestra, a College Chorus—open to all men and women regardless of ability—and an A Cappella Choir. These groups give concerts in both the fall and spring terms. In addition the A Cappella Choir annually tours Northern California and the Bay region, singing at many schools, colleges, and churches. The Choir has gained State-wide recognition for its outstanding performances.

The Drama Department of the College is noted for its productions. Each year it presents four or five major plays, a group of one-act plays, and a student variety show, in which a large proportion of the student body participates. Acting parts in these productions are open to all students who wish to try out. Also, through the Dramatic Workshop experience is offered in the other arts and crafts of the theater: scene design, stage-craft, lighting, make-up, etc.

Humboldt State exchanges plays with two other colleges. Annual drama festivals are held with both San Francisco State College and Chico State College. Thus, each year the Humboldt Players have the opportunity of traveling to one of these schools and of entertaining the other on the Humboldt campus. The festivals, which are noncompetitive in nature, have become well known throughout northern California.

Students receive regular course credit for participation in either Music or Drama.

NOTE.—Some of the activities described in this section have been curtailed for the duration. The program of activities, however, is as extensive and as varied as is feasible in wartime.

COUNSELING

The College maintains a program of counseling and guidance designed to aid the entering freshman in making a satisfactory adjustment and to afford an adequate follow-up program throughout his stay at Humboldt State College. At the time of registration individual attention is given by the faculty program advisers. Early in the semester the Deans interview individually the men and women of the freshman class. Meanwhile, both the Associated Women Students and the Men's Association make it their task to see that the freshmen become acquainted with other students and with the customs and organizations of the College. To assist the freshmen in adjusting themselves to their studies and choice of curriculum an Orientation class meets every week during the fall semester (see p. 103).

At all times the students are free to consult their program advisers and the officers of the College about the problems confronting them.

COMMUNITY RELATIONS

PLACEMENT SERVICE

The College maintains a Placement Bureau as a service both to the teacher graduates of the College and to school officials. It seeks to help the College graduates, both current and past, find the positions best suited to their abilities and training and to assist school executives by recommending to them the candidates best suited to the positions to be filled. The bureau assembles and furnishes to school officials information about the character, sense of responsibility, scholastic achievement, participation in student activities, and success in student teaching of the graduates of the College.

Students seeking positions as teachers will find it to their advantage to work through the Placement Bureau. They should register with the bureau early in their senior year so that the necessary data about them may be collected in plenty of time. During the present emergency, the facilities of the Bureau have been extended to graduates of other institutions residing in this section of the State.

The College provides placement service, without cost to employer or student, for all commercial graduates. In the past a notable record has been achieved in regard to successful placement. Graduates should register with the Commercial Department.

COMMUNITY SERVICE

Inasmuch as the College is a state institution, its facilities, when not in use for college purposes, are available for use by the citizens of the state. It particularly welcomes conventions, conferences, and assemblies of educational or cultural nature. The College auditorium seats four hundred. Arrangements for the serving of meals in the dining commons should be made with the Financial Secretary of the College.

EXTENSION COURSES

Extension courses will be conducted at the College in the evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI ASSOCIATION

The Humboldt State College Alumni Association includes among its objectives assistance to the College in administrative problems and guidance and counsel of recent graduates. The officers for the year 1944-45 are: Hally Eastman, president; Arthur Bryant, vice president and editor of the *Humboldt Alumnus*; Grace Johnson, secretary; and Hugh B. Stewart, treasurer. Branch organizations of the Association have been organized in other parts of the State.

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students. Such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of the major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only insofar as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College. A complete and detailed evaluation is subject to a nonrefundable \$2 fee.

Credits earned in nonaccredited colleges may be accepted as a basis for advanced standing only to the extent that the appli-

cant can demonstrate to the satisfaction of the State College authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.

2. No credit may be allowed for professional courses in education.

Scholarship Average. In the case of students transferring to this college from other institutions, the scholarship average at the previous institution will be included with the average made at this college.

Extension Credit. Extension work taken in other institutions is allowed only up to 10 per cent of the total curriculum requirement.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are accepted credit for credit and grade for grade at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our pre-secondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The Graduate Division of the University of California finds that it is rarely, if ever, possible for a graduate with the A.B. degree from any institution to receive both the high school credential and master's degree in one year.

All students intending to transfer to another institution after a year or two at Humboldt should consult the requirements of the institution to which they intend to transfer and arrange their programs at Humboldt accordingly.

SUBJECT A

An examination in English fundamentals, known as the Subject A examination is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in English A in some other college are required to take this examination; those who fail will be enrolled in the course in Subject A, for which three units of college credit will be given.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test which is given immediately after the Language Arts tests.

ORIENTATION

All freshman students are required to enroll for an orientation course, which meets during the fall semester once a week (see p. 103).

REGISTRATION

Students should report for registration in compliance with the schedule announced in the calendar. A faculty adviser is assigned to each student according to the curriculum he selects. After a program has been approved by the adviser, the student completes his registration by the payment of fees and the filing of his registration and course cards.

The students' official study list is filed in the office of the Registrar. Since this list is the basis for official reports and records, the student must assume responsibility for keeping this list accurate at all times.

Prior to formal registration, conferences may be held with advisers or with the Registrar about suitable programs or course requirements.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the semester. Transcripts of

former work should be filed with the Registrar two weeks in advance.

Students who are unable to report for registration during the designated period must make special arrangements with the administration and the faculty concerned. A special fee of \$1 is collected for late registration.

The procedure for enrolling in classes is described on p. 31.

SUMMER SESSION

Each year the College holds a summer session designed to meet the needs of (1) high school graduates prepared to enter college, (2) students and teachers working toward the A.B. or B.E. degree or a teaching or administrative credential, (3) teachers who desire to take "refresher" courses or to acquaint themselves with modern educational philosophy and procedures, and (4) persons seeking cultural advantages or combined study and recreation in one of the most scenic regions of California.

Requirements for admission to the summer session are the same as those for the regular semester sessions (see p. 25).

Courses are planned for full six weeks' attendance, though in certain instances, credit for three weeks' attendance may be arranged.

A feature of the recent summer sessions has been a workshop in elementary education, which has proved to be of special interest to in-service teachers.

The Registrar will send the Summer Session Bulletin upon request.

ACADEMIC REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation hour per week for eighteen weeks, with two hours of preparation for each recitation hour. It may be administered as three recitation hours per week for eighteen weeks without outside preparation.

CLASSIFICATION OF STUDENTS

Students are classified in two ways in terms of number of units completed.

Students who have completed less than 60 units are classed as *lower division* students. Ordinarily they are allowed to enroll only in lower division courses (see p. 53). Students who have completed 60 or more units are classed as *upper division* students. They may enroll in both lower and upper division courses.

A student's class is determined by the number of units completed, as follows:

Freshmen	Less than 30 units
Sophomores	30 to 59½ units
Juniors	60 to 89½ units
Seniors	90 or more units

During a given semester students registered for more than five units are classified as *regular* students. Students registered for five units or less are known as *limited* students.

MARKING SYSTEM

Grades

A five-grade marking system is used. The grades employed are defined as follows:

A	Excellent
B	Good
C	Average
D	Barely Passing
F	Failure

Plus (+) as given in certain courses means passed with a grade of C or better. Inc. means "incomplete," W "withdrawn."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not given to students who are failing or who are dilatory. *The uncompleted work must be made up within the next year of residence, or the Incomplete automatically becomes a Failure.*

Honor Points

Each of the above grades carries honor points as follows:

A-----	3 per unit
B-----	2 per unit
C-----	1 per unit
D-----	0 per unit
F-----	Minus 1 per unit

No honor points are given for an Incomplete until the final grade is given. Neither units nor honor points are given for a course from which a student withdraws. Hence, marks of Incomplete or W have no effect upon the Scholarship Index.

Scholarship Index

The Scholarship Index is a device for rating a student's scholarship average. It is derived by dividing the total number of honor points earned by the total number of registered units. In computing the index, units are not included for activity courses that carry no honor points.

A student receiving a grade of D or F in a course may repeat the course and be given the grade and grade points earned in the repeat providing he receives permission from the instructor of the course and the Scholarship Committee. Unit credit towards the degree will be allowed only once for a course, but the calculation of the scholarship index will include the honor points received each time the course is taken. Though repetition of a course will not rescind zero or minus grade points, a student repeating such a course with a grade of C or higher improves his scholarship index since the honor points are increased without a corresponding increase in the registered units.

Unless otherwise specified, the term "Scholarship Index" refers to the cumulative rather than the semester index.

NORMAL PROGRAM

Fifteen or sixteen units of work in addition to a half-unit in physical education constitute an average program for a semester. According to the definition of semester unit given above, this means forty-eight hours of actual work each week.

Students who have demonstrated their ability, measured in terms of the Scholarship Index, may be permitted to carry additional work according to the following scale:

<i>Index of scholarship</i>	<i>Maximum load for following semester</i>
1.25-1.74 -----	17½ units
1.75 and above -----	18½ units

First semester freshmen, however, are limited to a maximum load of 17 units.

The approval of the Health Department is also required for students who register for more than the normal program.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

CLASS ENROLLMENT AND ATTENDANCE

For each student who registers for a given class a course card is issued to the instructor. No student may be admitted to class unless the instructor has received his course card.

The College believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should obtain the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Any member of the faculty may exclude from his course any student who has neglected the work of the course, or is discourteous, or persists in practices annoying to the instructor or the class.

CHANGES OF PROGRAM

Necessary program changes may be made during the first four weeks through the Registrar's office with the consent of the student's adviser. Thereafter no program changes may be made. Exceptional cases, however, may be referred to the Scholarship Committee.

To drop a course, the student's procedure is as follows: (1) obtain his course card from instructor, (2) have it signed by adviser, and (3) turn it in at the Registrar's office. To enter a new course, the student should (1) obtain a "Permit to Enter" card from the Registrar, (2) have it signed by his adviser, and (3) exchange it at the Registrar's office for a course card which is filed with the instructor.

WITHDRAWAL FROM COLLEGE

Upon petition, an honorable dismissal may be granted to any student in good standing, provided arrangements have been made with the Registrar.

During the first twelve weeks of any semester, students withdrawing from college with official sanction shall be given a mark of W.

During the last six weeks of any semester, those who withdraw shall be given W's or F's depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college during this period may petition for Incomplete grades. This privilege shall be granted only to those whose work is of passing grade at the time of withdrawal.

Students who neglect to comply with these regulations shall have their courses reported as Failures.

REPORTS TO STUDENTS

At the end of the semester, reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having particular difficulties in certain subjects are periodically interviewed by the President.

CREDIT BY EXTENSION

Students regularly enrolled in the College may be admitted to extension classes upon the approval of the adviser and the President of the College. In such cases the combined program shall be subject to the established load limitations for regular students.

Not more than 12 units (10 per cent) of the 120 units required for the A.B. degree may be taken in extension classes of either the College or other institutions.

PROBATION AND DISQUALIFICATION

Any student whose cumulative average drops below 1.00 (a C average) shall be given a warning notice.

If a student's scholarship index for a semester falls below .50 (midway between a C and a D), he shall be placed upon probation for the ensuing semester.

A student on probation shall not be permitted to enroll for more than $13\frac{1}{2}$ units. To get off probation, he must:

- (a) Complete at least eight units of work during the semester;
- (b) Achieve an index for the semester of .50 or better. (If he wishes to do so, he may attend summer school, averaging his summer grades with those of the preceding semester to achieve the requisite .50.)

A student on probation shall be automatically disqualified if his index for the semester drops below 0 (a grade average of D). Should his semester index be between 0 and .50, he shall remain upon probation for a second semester. At the close of the second probationary semester, if he has failed to achieve the required standard of .50, he shall be disqualified.

The College, at the discretion of the faculty Scholarship Committee, may disqualify also those students who have been registered in school two or more semesters and whose cumulative scholarship index is less than .75.

A student who has been disqualified for unsatisfactory scholarship may apply through the Registrar for re-entrance upon probation after the lapse of one semester.

Students whose personal conduct is unsatisfactory may be disqualified by administrative action at any time.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of its students the College engages a physician and a health director, and maintains a health service program. The college physician examines and counsels students on health problems. At least three medical examinations are given each student as follows:

- (1) At entrance (including a dental examination)
- (2) During the junior year
- (3) Before graduation

Emergency treatment is given in case of accident or illness. Hospital service with special rates in the local hospital

is available to students who make arrangements for such services through the Health Department.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is not permitted to students who are on probation. Participation in inter-collegiate athletics is subject to the rules of the Far Western Conference, of which Humboldt is a member.

CREDIT FOR MILITARY SERVICE

Humboldt State College will follow the policies approved by educational agencies in the United States for the granting of credit for military service. Credit for courses taken under the auspices of the Armed Forces Institute may be applied toward degree or course requirements here.

Tentatively, the State Colleges of California have decided to grant six units of credit for the completion of basic training in any of the branches of the armed forces, with an additional nine units to be granted if the candidate successfully completes officer's training.

FEES AND EXPENSES

STATE FEES

Required

Payable by all students taking more than 5 units at the time of registration.

Registration fee—per semester-----	\$6 50
Materials and service fee—per semester-----	4 00

Occasional

Registration fee for students taking 5 semester units or less— per unit-----	\$2 50
Materials and service fee for students taking five units or less— per unit-----	50
Extension fee—per unit-----	5 00
Late registration fee-----	1 00
Diploma fee at graduation-----	2 50
State credential fee—each credential-----	3 00
Placement service fee (for five sets of recommendations)-----	1 00
Each additional set-----	20
Additional transcripts, each-----	1 00
Fee for evaluation of transcripts-----	2 00
Special final examinations—each examination-----	1 00

Summer Session

Summer Session registration fee (six weeks)-----	\$25 00
Less than six weeks—per week-----	5 00
Health and Physical Education fee-----	50
Student Body Lecture and Recreation Fund-----	50

Auditors

Persons enrolled in college classes as auditors only are subject to the above fees in the same manner as those enrolled for credit.

STUDENT BODY FEES

Fee—per semester-----	\$5 00
Student Annual (second semester only)-----	2 50*
Physical Education fee—per semester-----	75
Hospitalization and Health fee—per semester-----	75

The student body fees are applied to a varied program of student activities, which include music, drama, athletics, the college paper, social activities, and others. It is only through the financial support of the students that this important phase of college life becomes possible. Membership in the associated students is not obligatory, though advisable. It entitles one to a subscription to the college paper, the *Lumberjack*; admission fee or at reduced rates to athletic contests and social functions; and participation in student body and class activities.

* Publication subject to decision of student body.

REFUNDS

State tuition fees are not refundable following the close of the month during which they are paid.

STUDENT BODY FEES. These fees are not refunded if a student has participated in any student body activity.

SUMMARY OF EXPENSES FOR REGULAR STUDENT

	<i>Expenses at Registration (Twice a Year)</i>	<i>Approximate Monthly Expenses</i>		<i>Total for School Year (9 months)</i>	
		<i>Minimum</i>	<i>Maximum</i>	<i>Minimum</i>	<i>Maximum</i>
Tuition	\$6 50			\$13 00	\$13 00
Materials and service fee.....	4 00			8 00	8 00
Student organization expenses.....	8 00			16 00	16 00
(Club dues, year book, hospitalization, physical education fees, etc.)					
Books, papers, and supplies (approx.).....	12 00			24 00	24 00
Board and room.....		\$30 00	\$45 00	270 00	405 00
Miscellaneous		5 00	10 00	45 00	90 00
(Entertainment, laundry, cleaning, etc.)					
Total				\$376 00	\$556 00

(Bus fare: Eureka-Arcata, \$5.00 per month).

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are available for needy and deserving students. The College employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. Application for employment should be made to the Financial Secretary before registration.

LOAN FUNDS

General Student Loan Fund

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Dean of Men, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration. Rarely are loans made to new students.

The Rotary Club of Arcata has a loan fund available for worthy students recommended by the President.

DEGREES, CREDENTIALS, AND CURRICULA

GENERAL STATEMENT

The curricula offered by the College fall principally into two groups: (1) degree curricula leading to a Bachelor of Arts or a Bachelor of Education degree and (2) lower division curricula. In addition the College offers work leading to two administrative credentials. The various curricula of the College are listed as follows:

I. Degree curricula

A. A.B. Degree with

General Elementary Credential

General Junior High School Credential

Kindergarten-Primary Credential

Special Credential in Physical Education

Combinations of the foregoing credentials

B. A.B. Degree in Liberal Arts, with a major in

Biological Sciences

Social Sciences

Economics and Business

Speech and Dramatics

English

or with a Group Major

C. A.B. Degree in Liberal Arts, with a pre-secondary major in

Biological Sciences

Social Sciences

English

Speech and Dramatics

D. B.E. Degree (for teachers not holding an A.B. Degree)

II. Lower division curricula

A. Terminal

Commercial Training

Photography

Secretarial Training

Wildlife Management

General Business

Merchandising

B. Preparatory for transfer to other institutions

Agriculture

Agricultural Economics

Animal Science

Plant Science

Business Administration

Dentistry

Engineering

Forestry

Home Economics

Law

Liberal Arts or

Letters and Science

Medicine

Nursing

Optometry

Pharmacy

III. Administration and Supervision credentials

A. Elementary School Administration Credential

B. Elementary School Supervision Credential

DEGREE CURRICULA

Bachelor of Arts

The Bachelor of Arts or A.B. degree is granted customarily after four academic years of work in the following forms:

(A) A PROFESSIONAL DEGREE IN CONJUNCTION WITH ONE OR MORE CALIFORNIA TEACHING CREDENTIALS. One of the primary functions of the College is the training of teachers. To that end the College offers work leading to (a) the Kindergarten-Primary Credential, (b) the General Elementary Credential, (c) the General Junior High School Credential, and (d) the Special Secondary Credential in Physical Education. For a detailed description of the academic and other requirements for the A.B. degree and these credentials see pages 40-42 and 73-80.

(B) A NON-PROFESSIONAL DEGREE IN LIBERAL ARTS. The nature of this degree is primarily cultural, as it represents a broad background in the humanities and the sciences. No teaching credential is involved in this case. The degree is, however, of considerable value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The A.B. degree in Liberal Arts is offered with the following majors:

- Biological Sciences (pp. 56-57)
- Economics and Business (pp. 114-15)
- English (p. 85)
- Social Sciences (pp. 115-17)
- Speech and Dramatics (p. 118)
- Group Major (see below)

The basic A.B. degree requirements are given on page 40, the specific major requirements on the pages indicated in the parentheses.

The Group Major consists of 36 units in the upper division, distributed among three subject-fields chosen from the lists of majors and minors on pp. 41-42. The student following this major may, in consultation with his adviser, arrange the distribution of the 36 units in whatever proportion seems best, subject however, to the following requirements:

- (a) Not less than 6 upper division units must be taken in each field, together with the lower division prerequisites; the total of upper division units in any one field should, however, be less than 24.
- (b) Sufficient work must be taken in one field to meet the minimum requirements of the State for a major (see p. 41).
- (c) Sufficient work must be taken in each of the other two fields to meet the minimum requirements of the State for a minor (see p. 42).

(C) A PRE-SECONDARY LIBERAL ARTS A.B. DEGREE. This form of the A.B. degree is intended for those students who plan to obtain the General Secondary Credential qualifying them to teach in the high schools of the State. The College is not authorized to grant this particular credential, which calls for a year of graduate study in an institution authorized to offer the professional courses required for the credential. However, the required A.B. degree in a subject field taught in the secondary schools may be obtained at the College in these fields:

- Biological Sciences (p. 57)
- English (p. 85)
- Social Sciences (p. 115)
- Speech and Dramatics (p. 118)

The basic A.B. degree requirements are given on pages 40-42, the specific major requirements on the pages indicated in parentheses.

In addition to the above curricula the College provides the first three years of work in Business Education, such work being preparatory to completing the requirements for the A.B. degree and the Special Secondary Credential in Business Education at another institution (see p. 67).

Students who intend to obtain a General Secondary Credential are advised to consult the particular requirements of the institution to which they plan to transfer.

Students who plan to obtain a General Secondary Credential at the School of Education of the University of California are directed to the fact that before receiving the credential they must have satisfied:

- (1) Matriculation requirements of the University;
- (2) The requirements for the degree of Associate of Arts of the University (see p. 43 of this catalog);
- (3) The following minimum scholarship index requirements of the School of Education:

Upper division work	1.50
Postgraduate work	1.75
Educational courses	1.00
Work for the major	1.75
Work for the minor	1.00

General Requirements for the Bachelor of Arts Degree in All Forms

Of the two degrees which the College is authorized to grant, the A.B. degree in its three forms is by far the more commonly awarded. To receive this degree, whether in conjunction with a California teaching credential or as a non-professional degree in liberal arts, the student must fulfill certain basic requirements set up by the State Department of Education and the College. They are the following:

Units. A minimum of 120 units is necessary for graduation. Of these at least 40 units must be selected from upper division courses. Not more than 60 units taken in any one department may be counted toward fulfillment of the total number of units for graduation. For maximum units in Education, see p. 73.

Residence. At least 24 of the 120 or more units for graduation must be completed at this College in residence.

Of the minimum of 24 units not more than 12 may be taken in the extension division of the College. Six of the last 30 units taken for a degree must be taken *in residence* at the College.

Subjects. All candidates for the degree must take:

Social Science	12 units
Nearly all of the four-year curricula stipulate that the 12 units be taken in the lower division.	
Biological and physical sciences	12 units
Eight of these units must be taken in the lower division, with the provision that the total number may be reduced by substituting equivalent work in high school at the discretion of the Department of Biological and Physical Sciences.	
English (in the lower division)	6 units
Psychology (in the lower division)	3 units
Physical Education (in the lower division; see p. 107) ..	2 units
American Government	2 units

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A *major* is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the Junior High School Credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 60) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Biology	Biological Sciences	Biological Sciences
English	Economics and Business	English
Health and Hygiene	English	Social Sciences
Home Economics	Group Major	Speech and Drama
Industrial Education	Social Sciences	
Music	Speech and Drama	
Physical Education		
Social Sciences		
Speech and Drama		

A *minor* is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	English	Music, Vocal or
Biology	French	Instrumental
Botany	Health and Hygiene	Physical Education
Commerce	History	Social Sciences
Economics	Home Economics	Speech and Dramatics
Education	Industrial Education	Zoology
	Mathematics	

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with the degree.

Bachelor of Education

The Bachelor of Education or B. E. degree is designed for successful teachers in the field who would find difficulty in meeting all the requirements for the A. B. degree, but who wish to have a modern bachelor's degree. The degree is professional in character, carries no credential with it, and is not intended to qualify its recipients for graduate standing in the universities.

The California State Board of Education on January 7, 1937, authorized the seven State Colleges to grant this degree, the requirements for which are based upon an evaluation of successful experience and educational activities as a substitute for certain academic and professional courses.

Those who have already launched this program will have until February 1, 1947, to complete it.

LOWER DIVISION CURRICULA

The College offers two types of lower division curricula. The first is terminal in character and is offered in the following fields:

Commercial Training (pp. 68-70)

Secretarial Training

General Business

Merchandising

Photography (p. 57)

Wildlife Management (p. 58)

The second type comprises a number of lower division curricula the continuance of which in the upper division the College is not equipped to provide. Most of such curricula are pre-professional or technical in character, and are designed to meet the needs of those students who plan to obtain a Bachelor of Arts or a Bachelor of Science degree or a certificate of completion at some other institution, but who wish to do the lower division work at Humboldt. *These students should acquaint themselves with the particular requirements of the institutions to which they intend to transfer and should ascertain which of the courses offered at the College will be accepted in preparation for their chosen fields of study.*

The following curricula are the more common fields of study in which the college offers lower division courses. These curricula are suggestive rather than fixed, since the specific course requirements of other institutions may vary. Nor is the list of lower division curricula complete; others may be arranged if the demand presents itself.

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University.

To aid the student in planning his course, the requirements for the degree of Associate of Arts, which the University grants upon completion of the lower division work, are given here:

**Requirements for the Degree of Associate in Arts
University of California**

(See University of California Circular of Information for details)

(a) *Subject A.* (Completion of English A, 1A, or 1B at Humboldt satisfies this requirement.)

- (b) *Foreign Languages.* At least 16 units in not more than two languages, with not less than 4 units in any one language. The first two years of high school work in a foreign language will be counted in satisfaction of 4 units of this requirement and each year thereafter as 4 units.
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: *Anthropology, Botany, Chemistry, *Geography, Geology, Physics, Physiology, and Zoology, including a year course in a laboratory science. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of *three* of the following groups:
- (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy
 - (6) Fine Arts

Agriculture

Recommended Sequence

Agricultural Economics

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Mathematics 3A-3B -----	3	3
Orientation 1 -----	1	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	$16\frac{1}{2}$	$15\frac{1}{2}$

SOPHOMORE YEAR

Commerce 14A-14B -----	3	3
Commerce 40 -----	3	
Economics 1A-1B -----	3	3
Economics 40 -----		3
Geology 1A -----	3	
Zoology 1A -----	4	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Electives -----		6
	$16\frac{1}{2}$	$15\frac{1}{2}$

* Anthropology 1A and Geography 1 may be used in partial satisfaction of the natural science requirement; if either is so used, it may not be included as part of the social sciences requirement.

Animal Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	5	
Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Electives -----		9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Plant Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Geology 1A -----	3	
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	5	
Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Botany -----		4
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

Business Administration

This curriculum is planned to prepare the student for entrance into the School of Business Administration at the University of California (Berkeley), which requires junior standing in the College of Letters and Science or certain other colleges for entrance and which grants the B.S. degree at the

end of the senior year. This lower division curriculum is based on the requirements of the Associate in Arts degree (see pp. 43-44). Only Economics 1A-1B, Economics 40, Mathematics 2 or 3A are specifically required. Geography 1 and 2 (for total of 6 units) are recommended. Additional science may be substituted in certain cases for part of the language requirement.

Recommended Sequence**FRESHMAN YEAR**

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Foreign Language -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Mathematics 1 (if needed to meet Mathematics 2 prerequisite) -----	3	
Geography 2 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Economics 1A-1B -----	3	3
Foreign Language -----	3	3
Science -----		3
Geography 1 -----	3	
Mathematics 2 -----		3
Electives -----	6	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Desirable electives: Com. 14A-14B; Com. 40.

Pre-Dental

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
*Physics 2A-2B -----		
or -----	3	3
†Year course -----		
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
Year Course (chosen from group (e)) -----	3	3
Year Course (chosen from group (e) required if Physics 2A-2B was taken in freshman year) -----	3	3
Electives (Foreign Language if necessary to complete 16 units for A.A. degree) -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the degree of Associate of Arts in the College of Letters and Science of the University of California.

Pre-Engineering*

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

* Required if student did not have a course in Physics in high school.

† Chosen from the Associate of Arts list, group (e), p. 44.

Pre-Forestry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B -----	3	3
Mathematics 3A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8 -----	3	
Civil Engineering 1A-1B -----	3	3
Economics 1A-1B -----	3	3
Geology 1A -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B -----	3	3
Physics 3A-3B -----	1	1
Electives -----		6
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Home Economics

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 -----		2
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
History 4A-4B -----	3	3
Home Economics 1, 3 -----	3	3
Orientation 1 -----	1	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Art 2 -----		3
Bacteriology 1 -----	5	
Biology 10A -----	3	
Chemistry 8 -----		3
Economics 1A-1B -----	3	3
Home Economics 11, 20 -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 -----		3
Speech 1A -----	3	
	17 $\frac{1}{2}$	15 $\frac{1}{2}$

* For the duration of the war emergency, adjustments in the curriculum for Pre-Engineering students will be made to suit the demands of the situation.

Pre-Legal

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French 1A-1B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Electives -----	2	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	

SOPHOMORE YEAR

	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$
French 2A-2B -----	3	3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
Electives -----	6	9
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$

Liberal Arts

See the requirements for the degree of Associate in Arts. College of Letters and Science, University of California listed on p. 47 of this catalog.

Pre-Medical

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
French 1A-1B -----	3	3
History 4A-4B -----	3	3
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	

SOPHOMORE YEAR

	15 $\frac{1}{2}$	16 $\frac{1}{2}$
Zoology 1A-1B -----	4	4
French 2A-2B -----	3	3
Physics 2A-2B -----	3	3
Physics 3A-3B -----	1	1
Year Course from group (e) ¹ -----	3	3
Electives -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ See p. 44.

Pre-Nursing

See pp. 109-110.

Pre-Optometry *

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
**Foreign Language -----	3	3
Math. C (if necessary) -----	3	
Orientation -----	1	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B -----	3	3
Physics 3A-3B -----	1	1
Electives -----	0 or 3	3
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	5	
Chemistry 8 -----	3	
**Foreign Language (if necessary) -----	3	3
Mathematics 3A-3B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 -----		5
Psychology 1 -----		3
Speech 1A-1B -----	3	3
	17 $\frac{1}{2}$	17 $\frac{1}{2}$

(If the student has not had Mechanical Drawing in high school, he should include it in his program as an elective.)

Pre-Pharmacy

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Botany 1A-1B -----	4	4
Electives -----		6
Orientation 1 -----	1	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

* For the duration of the war emergency, adjustments in the curriculum for Pre-Optometry students will be made to suit the demands of the situation.

** See the requirements for the degree of Associate in Arts, College of Letters and Science, University of California, listed on p. 47 of this catalog.

† Students who have matriculation credit in these subjects are advised to take Mathematics 3A-3B or English 1A-1B, or Speech 1A-1B.

ADMINISTRATION CREDENTIAL CURRICULA

The College offers work leading to the Elementary School Administration Credential and the Elementary School Supervision Credential. The professional courses in Education are customarily offered during the summer session. The requirements for these credentials are given in detail on page 83.

AERONAUTICS*

In conjunction with the Pierce Flying Service of Eureka the College has been authorized by the Civil Aeronautics Authority to give work leading to a private pilot certificate. This flight course is outlined and largely financed by the federal government. It consists of ground work of approximately 72 hours in theory given at the College and 50 hours of flight training given by the Pierce Flying Service.

This course is open to a limited number of men who (1) are between the ages of 18 and 24 inclusive, (2) have passed the medical examination given by an authorized examiner, and (3) are full-time students at the College with at least sophomore standing, or, if not enrolled in the College, have had at least two years of college work. It is open to students who have a secondary interest in aviation as well as those who have chosen some branch of aeronautics as a vocation or profession. College credit will be given to those who wish it and who are enrolled in the College (see Aeronautics under "Description of Courses"). A fee of \$15 is charged each enrollee to cover the cost of insurance and the medical examination.

For further information and for making application communicate with Mrs. Claire Gustafson, Secretary to the President, Humboldt State College.

* At present this flight course has been suspended until the federal government lifts the ban on civilian flying in the Pacific coast area.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and seniors as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open only to students who have attained upper division status and who have completed a lower division course or courses deemed preparatory by the department concerned. Sometimes they are elementary courses in subjects of such advanced character as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399, inclusive. They are open only to upper division or graduate students.

Courses designated with a letter only (e.g., Mathematics C) are courses of high school level that are taught in college.

The semester in which a course is taught is indicated parenthetically after the title. Those courses designated "year" run consecutively through both the fall and spring semesters.

A course designated by a double number (e.g., History 4A-4B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first number in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where parts of a course with the same number are listed separately, e.g., Physical Education 192A, Physical Education 192B, the A part is not prerequisite to the B part, unless explicitly so stated.

Some courses are designated by a number and a succession of letters without repetition of the number before each letter, e.g., Speech 25A, B, C, D. In such instances the letters indicate the number of times the particular course may be taken for credit.

Because of varying exigencies from semester to semester in making up the schedule of classes, the instructor and time and place of meeting of each course of instruction are not given in the following descriptions. At the end of each semester a schedule of classes, containing such information for the following semester, is made up and mimeographed for distribution.

AERONAUTICS

For additional details see p. 51

- | | |
|--|---------|
| *1. C. A. A. Ground Course (fall, spring) | 4 units |
| Meteorology, navigation, and civil air regulations. | |
| *2. C. A. A. Flight Course (fall, spring) | 1 unit |
| Flight training leading to the civilian's pilot license. | |

ART

MINOR REQUIREMENTS

Minor in Art

Lower Division	Art 1.....	2 units
	Art 6.....	3 units
	Additional L. D. Art.....	1 unit
Upper Division	Art 115A.....	3 units
Total units required	Additional U. D. Art.....	3 units
		12 units

A liberal arts group major which includes Art may be arranged in consultation with the student's adviser and the Registrar's office. See page 39.

DESCRIPTION OF COURSES

LOWER DIVISION

- | | |
|---|---------|
| 1. Art Orientation (fall, spring) | 2 units |
| Analysis of structural principles of art; the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort. | |
| Two one-hour periods per week. | |
| 2. Design (spring) | 3 units |
| The organization of line, mass, space, volume, and color into patterns for surface decorations. | |
| Prerequisite: Art 1. | |
| Three one-hour periods per week. | |

* Not given 1944-45.

3. Art History and Appreciation (fall) 3 units

A study of the development of art through the early historic periods and of schools in architecture, sculpture, painting, and minor arts up to the 20th century.

Three one-hour periods per week.

4. Drawing and Composition (fall, spring) 3 units

A study of form and space in proportion and composition, expressed with line, value, and color.

Three two-hour periods per week.

6. Crafts (fall) 2 or 3 units

Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft.

Two or three one-hour periods per week.

7. Puppetry (spring) 2 or 3 units

Puppetry and its stagecraft.

Two or three one-hour periods per week.

8. Knitting Craft (fall, spring) 1 or 2 units

Knitting as an art craft. Students learn to knit twenty or more patterns and to create patterns of their own. Each student knits a garment for herself and one for the Red Cross. Students provide their own materials.

One or two one-hour class periods and two or four hours of outside work per week.

15. Lettering (fall) 3 units

Practice in the technique of lettering; use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm; study of the various types of letters.

Three one-hour periods per week.

20 or 120. Flower Arrangement (spring) 1 unit

Application of the basic principles of art to the arrangement of flowers.

One one-hour period per week.

UPPER DIVISION**102. Industrial Design (spring) 3 units**

Advanced problems in original design, both structural and decorative, suitable for industrial uses; application of some of the designs to materials.

Prerequisite: Art 1 and Art 2.

Three one-hour periods per week.

104. Painting (spring) 1, 2, or 3 units

The student works in any medium he wishes and furnishes his own materials.

Prerequisite: Art 4.

Two, four, or six one-hour periods per week.

- 106. Advanced Crafts (fall)** **1, 2, or 3 units**
Plastic modeling and carving in wood, soap, and other media.
Prerequisite: Art 6 or its equivalent.
One, two, or three one-hour periods per week.

- 115A. Lettering (fall)** **3 units**
Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the College.
Three one-hour periods per week.

- 115B. Advanced Lettering (fall)** **3 units**
Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of books. Continuation of poster service for college activities.
Prerequisite: Art 15 or Art 115A.
Three one-hour periods per week.

- 120. Flower Arrangement (spring)** **1 unit**
See Art 26.

- 190. Art Education (fall, spring)** **2 units**
Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation and some participation in teaching. May be applied in satisfaction of major and minor requirements in Art.

Prerequisite: Art 1.

BIOLOGICAL AND PHYSICAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN BIOLOGICAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Biological Sciences -----	16
(See tabulation of major requirements on p. 60.)	
English	
1A-1B (Composition and Literature) -----	6
Foreign Languages -----	10
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Health and Hygiene	
1 (Hygiene) -----	2
Physical Education	
Activities (one-half unit each semester) -----	2
Physical Sciences -----	8
Chemistry 1A (General Chemistry) -----	5
Physics 10 (Introduction to Modern Physics) -----	3
Philosophy	
6A-6B (Introduction to Philosophy) -----	6
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	12
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6

(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics or History 4A-4B plus six units of upper division History.)

UPPER DIVISION

	<i>Units</i>
Biological Sciences -----	24
(See tabulation of major requirements below.)	
Physical Science	
Chemistry 108 (Organic Chemistry) -----	3
Political Science	
151 (American Constitutional Government) -----	2

* For the duration of the war emergency, adjustments in the offerings in Biological and Physical Sciences will be made to suit the demands of the situation.

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 42, and must maintain a scholarship average of C in the major. However, not more than 60 units of work in the Biological and Physical Sciences may apply towards the A.B. degree.

COURSE REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN BIOLOGICAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Biological Sciences, with these additional requirements:

- (a) Education (upper division)----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 39.

The total number of units required remains the same, i.e., 120.

TWO-YEAR TERMINAL CURRICULUM IN PHOTOGRAPHY

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 (Art Structure)-----	2	
Art 2 (Design) -----		2
Art 15 (Lettering)-----	3	
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Comp. and Lit.)-----	3	3
Health & Hyg. 1 (Hygiene)-----		2
History 4A-4B (Western Civilization)-----	3	3
Orientation 1 -----	1	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 20 (Elementary Photography)-----		2
Elective -----		3

15 $\frac{1}{2}$ 15 $\frac{1}{2}$

SOPHOMORE YEAR

Art 3 (Art Appreciation)-----	3	
Commerce 2A (Typewriting)-----	2	
Commerce 14A (Accounting)-----	3	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B (General Physics Lectures)-----	3	3
Physics 21 (Advanced Photography)-----	2 or 3	
Physics 22 (Applied Photography)-----		2 or 3
Pol. Sci. 151 (American Constitutional Government)-----		2
Psychology 1 (General Psychology)-----		3
Speech 1A (Public Speaking)-----		3
Speech 25A (Dram. Workshop—Lighting)-----	2	
Elective -----		2

15 $\frac{1}{2}$ -16 $\frac{1}{2}$ 15 $\frac{1}{2}$ -16 $\frac{1}{2}$

TWO-YEAR TERMINAL CURRICULUM IN WILDLIFE MANAGEMENT

This curriculum is designed to prepare students for work on private game farms and for work with the fish and game commissions of the State and Federal governments.

Since students seeking positions in wildlife management will be competing with college graduates who have a four-year A.B. or B.S. degree, it is strongly urged that students take the regular A.B. in Biological Sciences and elect the specialized courses in Wildlife Management.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 4 (Classification of Flowering Plants)-----		3
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Comp. and Lit.)-----	3	3
Health & Hyg. 1 (Hygiene)-----	2	
Orientation 1-----	1	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Wlf. Man. 10 (Conservation of Wildlife)-----	3	
Wlf. Man. 60 (Game Bird Management)-----		3
Zoology 1A-B (General Zoology)-----	4	4
Pol. Sci. 151-----		2
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 (General Bacteriology)-----	5	
Botany 1B (General Botany)-----		4
Botany 110B (Systematic Botany)-----		3
Economics 1A-1B (Principles of Econ.)-----	3	3
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A (Public Speaking)-----	3	
Wlf. Man. 53 (Hatchery Biology)-----		3
Wlf. Man. 62 (Diseases of Game Birds)-----	3	
Zoology 165 (Ornithology)-----		3
Elective-----	2	
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

MAJOR AND MINOR REQUIREMENTS

*Liberal Arts and Pre-Secondary Major
in Biological Sciences*

*Junior High School Major in
Biological Sciences*

Lower Division

Botany 1A-1B-----	8 units	Biol. 10A-10B -----	6 units
Zoology 1A-1B-----	8 units	Botany 4 -----	3 units
Recommended electives:		Zoology 4 -----	3 units
Bacteriology 1, Botany 4,			
Zoology 4, Geology 1A,			
Physiology 1, Anatomy 66,			
Anthropology 1.			

Upper Division

Emphasis must be on either Botany or Zoology—		12 units of U. D. Biology, Botany, or Zoology	
Botany emphasis			
Biol. 114_____	3 units		
Bot. 110A-110B_____	6 units		
At least 15 units chosen from—			
Biol. 101_____	3 units		
Biol. 103_____	2 or 3 units		
Biol. 199_____	1 to 3 units		
Bot. 101A-101B_____	6 units		
Bot. 105_____	3 units		
Bot. 107_____	3 units		
Bot. 114_____	3 units		
Zoology emphasis			
Biol. 114_____	3 units		
Zool. 112-113_____	6 units		
At least 15 units chosen from—			
Biol. 101_____	3 units		
Biol. 103_____	2 or 3 units		
Biol. 199_____	1 to 3 units		
Zool. 104_____	3 units		
Zool. 160_____	3 units		
Zool. 165_____	3 units		

Total units
required

40 units

24 units

Biology Minor

Botany Minor

Zoology Minor

Lower Division

Biology 10A-10B_6 units	Botany 1A-1B_8 units or Biology 10A-10B_6 units and Botany 4_3 units	Zoology 1A 1B_8 units or Biology 10A-10B_6 units and Zoology 4_3 units
-------------------------	---	---

Upper Division

6 units chosen from—		
Biology 101_3 units	6 units chosen from— Any U. D. Botany course Biology 114_3 units	6 units chosen from— Any U. D. Zoology course
Biology 114_3 units		Biology 101_3 units
Botany 114_3 units		Biology 114_3 units
Botany 107_3 units		
Botany 110A-110B 6 units	The Biology minor is recommended for credential candidates but is not advised for students planning to transfer to or do graduate work at a university.	
Zoology 165_3 units		

Total units
required

12 units

14 or 15 units

14 or 15 units

DESCRIPTION OF COURSES

Biological Sciences

*Anthropology****1A. General Anthropology (spring)****3 units**

An account of the origin and development of human races, the nature of man, and his place in the biological world.

Three one-hour periods per week.

*Bacteriology***1. General Bacteriology (fall)****5 units**

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases.

Three one-hour lecture and two three-hour laboratory periods per week.

Biology

LOWER DIVISION

10A-10B. General Biology (year)*3-3 units**

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life.

Two one-hour lecture periods and one three-hour laboratory period per week.

UPPER DIVISION

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

101. Marine Biology (summer session)*3 units**

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

103. Micro-Technique (fall)*2 or 3 units**

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two or three three-hour periods per week.

114. Heredity and Evolution (fall)**3 units**

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

190. Elementary School Science (fall)**2 units**

Objectives, methods, and content of the elementary school science program.

Two one-hour periods per week.

199. Special Problems (fall, spring)

1-3 units

Open to majors in Biological Sciences. Student and problem to be approved by the department. Student carries on independent study and investigation in consultation with instructor assigned to him.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

LOWER DIVISION

1A-1B. General Botany (year)

4-4 units

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Field trips will be made to points near the College, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week.

4. Classification of Flowering Plants (spring)

3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 4.

***101A-101B. Mycology (year)**

3-3 units

First semester: Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

Second semester: Basidiomycetes and fungi imperfecti.

One lecture and two three-hour laboratory periods per week.

***105. Plant Anatomy (fall)**

3 units

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

* Not given 1944-45.

107. Plant Ecology (fall)*3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of native plants to this area.

Three one-hour periods per week.

110A-110B. Plant Taxonomy (year)**3-3 units**

First semester: A study of the forest trees and shrubs, with field identification, and a critical study of the characters and habits of gymnosperms.

Second semester: A study of representative orders of flowering plants; their habits, growth, structure, classification, and geographical distribution.

One one-hour lecture and two three-hour laboratory periods per week.

114. Advanced Ornamental Plants (spring)*3 units**

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods per week.

*Physiology and Anatomy***1. Elementary Physiology (spring)****5 units**

A general introductory course on human physiology.

Three one-hour lecture and two three-hour laboratory periods per week.

66. Human Anatomy (fall)**3 units**

Demonstration and laboratory study of human dissections, models, and prepared microscopic slides. Designed particularly for nurses and Physical Education majors.

Prerequisite: Zoology 1A.

One one-hour lecture and two three-hour laboratory periods per week.

*Wildlife Management***†10. Conservation of Wildlife (fall)****3 units**

Conservation of fishes, birds, mammals, and the related associations of fields, forests, and waters. A survey of scientific methods applied to conservation. Field trips to conservation projects being undertaken in the immediate region.

Three one-hour periods per week.

†53. Hatchery Biology (spring)**3 units**

A study of the problems involved in the artificial propagation of fishes, with practical work on salmonoid fishes in the College hatchery.

Two one-hour periods per week and additional work in the hatchery.

* Not given 1944-45.

† Given if sufficient demand.

***60. Game Bird Management (spring) 3 units**

A review of artificial and seminatural methods of rearing upland game birds and water fowl. Quail and pheasant chicks obtained from the Bureau of State Game Farms will be reared to liberation age and released by students. Field trips to State Game Farms.

Three one-hour periods per week.

***62. Diseases of Game Birds (fall) 3 units**

Three one-hour periods per week.

Zoology

LOWER DIVISION

1A-1B. General Zoology (year) 4-4 units

First semester: An introduction to the facts and principles of animal biology with special reference to the structure, function, and evolution of animals.

Second semester: Structure and development of chordates, including the study of a mammal.

Two one-hour lecture and two three-hour laboratory periods per week.

***4. Animal Classification (fall) 3 units**

Elementary classification and natural history of the common vertebrates and invertebrates; life histories and methods of conservation. Emphasis is on the animal life of the Humboldt bay region. Designed for teaching credential candidates who do not elect Zoology 1A.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 4.

***104. Field Zoology (fall) 3 units**

Collection, identification, and preservation of common invertebrates and vertebrates of Humboldt Bay region. Discussion of ecological relationships. Each student works on an individual problem.

Two one-hour lecture and one three-hour laboratory periods per week.

***112. Invertebrate Zoology (fall) 3 units**

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lecture and one three-hour laboratory periods per week.

***113. Natural History of Vertebrates (spring) 3 units**

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification.

Two one-hour lecture and one three-hour laboratory periods per week.

* Not given 1944-45.

† Given if sufficient demand.

160. Embryology (fall)**3 units**

The maturation of egg and sperm; fertilization; and the early development of the amphibian, chick, and mammal.

Two one-hour lecture and one three-hour laboratory and demonstration periods per week.

165. Ornithology (spring)**3 units**

A study of birds, which includes taxonomy, life histories, migration, habits, and special modifications. Identification of birds in field and laboratory.

Two one-hour lecture and one three-hour laboratory periods per week.

Physical Sciences***Chemistry*****LOWER DIVISION****1A-1B. General Chemistry (year)****5-5 units**

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure.

Prerequisites: High school chemistry or Chemistry 2, and at least two years of high school mathematics.

Three one-hour lecture and two three-hour laboratory periods per week.

2. Elementary Inorganic Chemistry (fall)*3 units**

A general survey of inorganic chemistry for those who need only an elementary knowledge of the subject, such as nurses and majors in home economics, wildlife management, photography, etc. Lectures and demonstrations.

Two one-hour lecture periods and one two-hour laboratory-demonstration period per week.

UPPER DIVISION***108. Organic Chemistry Lectures (spring)****3 units**

A survey of the carbon compounds.

Prerequisite: Chemistry 1A-1B or Chemistry 2.

Three one-hour lecture periods per week.

109. Organic Chemistry Laboratory*3 units**

Study of the carbon compounds in the laboratory. Taken concurrently with or after Chemistry 108.

Three three-hour laboratory periods per week.

Geology***1A. General Geology (fall)****3 units**

A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.

Three one-hour periods per week and field trips.

* Not given 1944-45.

Physics

***1A-1B. Physics (year)** 3-3 units

First semester: The elementary principles of mechanics.

Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.

Prerequisites: Three years of high school mathematics, including trigonometry (which may be taken concurrently).

Two one-hour lecture and one three-hour laboratory periods per week.

***1C-1D. Physics (year)** 3-3 units

First semester: Electricity and magnetism.

Second semester: Sound and light.

Prerequisites: Physics 1A-1B.

Two one-hour lecture and one three-hour laboratory periods per week.

***2A-2B. General Physics Lectures (year)** 3-3 units

A general survey of physics for non-engineering students. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.

Three one-hour lecture, discussion, and demonstration periods per week.

***3A-3B. General Physics Laboratory (year)** 1-1 unit

Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity. To accompany Physics 2A-2B.

One three-hour laboratory period per week.

10. Introduction to Modern Physics (spring) 3 units

A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy heat, light, sound, electricity, and atomic structure.

Three one-hour periods per week.

20. Elementary Photography (spring) 2 units

Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.

One one-hour lecture and one three-hour laboratory periods per week.

***21. Advanced Photography (fall, spring)** 2 or 3 units

Qualified students undertake work along various specialized lines.

Prerequisite: Physics 20 and consent of the instructor.

Hours to be arranged.

***22. Applied Photography (fall, spring)** 2 or 3 units

Students are placed in commercial photographic studios where experience under actual working conditions may be secured.

Open to a limited number of specially qualified students.

Hours to be arranged.

* Not given 1944-45.

30. Elementary Meteorology (fall)*3 units**

Absorption and distribution of solar energy; structure and dynamics of the atmosphere; and methods of recording and predicting the weather. Designed especially for students in aeronautics.

Three one-hour periods per week.

CIVIL ENGINEERING

See Mathematics and Philosophy, Division of Civil Engineering.

* Not given 1944-45.

COMMERCE

Programs are designed for students preparing to teach business subjects in high schools or colleges and for those interested in training for immediate employment in business.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

FIRST THREE YEARS OF PRE-SECONDARY CURRICULUM IN BUSINESS EDUCATION

This curriculum is directed towards an A.B. degree with a major and Special Secondary Credential in Business Education. To complete the work for the degree and credential the student will have to transfer to another institution equipped to give the more advanced courses required in this curriculum.

The State requires 1000 hours or six months of acceptable business experience.

FRESHMAN YEAR

<i>First Semester</i>	<i>Units</i>	<i>Second Semester</i>	<i>Units</i>
Com. 2 (Typewriting)-----	2	*Com. 2 (Typewriting)-----	2
Com. 5 (Bus. Machines) } or Com. 1A-----	5	*Com. 14B (Accounting)-----	3
Com. 14A (Accounting) }		Com. 21 (Business Math.)-----	3
Biol. 10A (General Biology)-----	3	Biol. 10B (General Biology)-----	3
Eng. 1A (Composition)-----	3	Eng. 1B (Comp. and Literature)-----	3
Geog. 2 (Cult. & Reg. Geog.)-----	2	Physical Education-----	1½
Orientation 1-----	1	Speech 1A (Public Speaking)-----	3
Physical Education-----	½		
	<u>16½</u>		<u>17½</u>

SOPHOMORE YEAR

Com. 1A or {Com. 14A }-----	5	Com. 1B (Shorthand II)-----	5
Art 15 (Lettering)-----	3	Econ. 1B (Principles of Econ.)-----	3
Econ. 1A (Principles of Econ.)-----	3	Psych. 1 (General Psychology)-----	3
Natural Science-----	4	Speech 1B (Public Speaking)-----	3
Physical Education-----	½	Natural Science-----	4
	<u>15½</u>	Physical Education-----	½
			<u>18½</u>

JUNIOR YEAR

Com. 40 (Commercial Law I)-----	3	Com. 41B (Bus. Corresp.)-----	3
Com. 50 (Salesmanship)-----	2	Com. 130 (Commercial Law II)-----	3
Econ. 40 (Elem. Stat. Methods)-----	3	Com. 134 (Marketing)-----	3
Econ. 113 (Econ.-Soc. Hist. U. S.)-----	3	Econ. 120 (Bus. Organization)-----	3
Econ. 135 (Money and Banking)-----	3	Educ. 110 (Educ. Psychology)-----	3
H. H. 1 (Hygiene)-----	2	Pol. Sci. 151 (Amer. Const. Govt.)-----	2
	<u>16</u>		<u>17</u>

* If necessary, Com. 1B may be taken in the freshman year instead of Typewriting and Accounting.

CURRICULA IN COMMERCIAL TRAINING

The College offers three two-year terminal curricula in Commercial Training. (1) A thorough course in Secretarial Training prepares students for stenographic or secretarial positions. (2) Students seeking training in the essential skills and a knowledge of business may enroll in a General Business curriculum. (3) The Merchandising curriculum provides some degree of specialization for students wishing to enter that field of business.

The student electing any one of these curricula must complete a minimum of 60 semester units of college work and must maintain a scholarship average of C in order to receive the two-year diploma.

Course Requirements for Commercial Training Curricula

Suggested Sequence

FRESHMAN YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1A or 1B (Shorthand I or II)-----	5	--	--
Commerce 2A or 2B (Typewriting I or II)-----	2	2	2
Commerce 4 (Spelling)-----	1	1	1
Commerce 40 or 50 (Commercial Law or Salesmanship)-----	3 or 2	3 or 2	3 or 2
Commerce 41A (Business English)-----	3	3	3
Orientation 1-----	1	1	1
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A (Public Speaking)-----	--	3	3
Elective-----	1 or 2	3 or 4	3 or 4
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1B or 1C (Shorthand II or III)-----	5	--	--
Commerce 2B or 2C (Typewriting II or III)-----	2	2	2
Commerce 5 (Business Machines)-----	--	2	2
Commerce 12 (Bookkeeping) or elective ¹ -----	3	3	3
Commerce 21 (Business Mathematics)-----	3	3	3
Commerce 41B (Business English)-----	3	3	3
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	--	3
Speech 1B (Public Speaking)-----	--	3	--
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ Commerce 5 recommended.

SOPHOMORE YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Art 15 (Lettering)-----	--	--	3
Commerce 1C or 1D (Shorthand III or IV)-----	5	--	--
Commerce 2C or 2D (Typewriting III or IV)-----	2	--	--
Commerce 14A (Accounting)-----	3	3	3
Commerce 50 or 40 (Salesmanship or Commercial Law I)-----	2 or 3	2 or 3	2 or 3
Commerce 71 (Dictation and Transcription)-----	2	--	--
Economics 1A (Principles of Economics)-----	--	3	3
Health and Hygiene 1 (Hygiene)-----	--	--	2
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	3	--
Electives-----	1	5 or 4	3 or 2
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1D (Shorthand) or Electives-----	5	--	--
Commerce 2D or 5 (Typewriting IV or Business Machines)-----	2	--	--
Commerce 14B (Accounting)-----	3	3	3
Commerce 69 (Secretarial Training)-----	3	--	--
Commerce 130 or 134 (Business Law II or Marketing)-----	--	3	3
Economics 1B (Principles of Economics)-----	--	3	3
English 1A (Composition)-----	3	--	--
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 (American Constitutional Gov't)-----	--	--	2
Speech 1B (Public Speaking)-----	--	--	3
Electives-----	--	6	2
Totals-----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$
Total units required-----	60	60	60

Suggested electives: Commerce 4, 5, 12, 40, 50, 134; Economics 113; English 1A; Health and Hygiene 1; Home Economics 3; Psychology 1; Speech 1A, 1B. Students who contemplate the possibility of transferring later to a four-year degree curriculum would do well to choose some electives in the biological and physical sciences.

MAJOR AND MINOR REQUIREMENTS

Liberal Arts Major in Economics and Business		Minor in Commerce	
Lower Division	See tabulation under Department of Social Sciences, p. 113 Includes Commerce 14A-14B ----- 6 units Commerce 40 ----- 3 units	Commerce 40 -----	3 units
		Additional L. D. Commerce -----	3 units
Upper Division	See tabulation under Department of Social Sciences, p. 113 Includes Commerce 130 ----- 3 units Commerce 134 ----- 3 units	Commerce 130 -----	3 units
		Commerce 134 -----	3 units
Total units required	42 units		12 units

DESCRIPTION OF COURSES**LOWER DIVISION**

- 1A. Shorthand I (fall, spring) 5 units**
Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.
Five one-hour periods per week.
- 1B. Shorthand II (fall, spring) 5 units**
Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.
Prerequisite: Commerce 1A or its equivalent.
Five one-hour periods per week.
- 1C. Shorthand III (fall, spring) 5 units**
An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.
Prerequisite: Commerce 1B or its equivalent.
Five one-hour periods per week.
- 1D. Shorthand IV (fall, spring) 5 units**
Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a systematic speed course for advanced writers.
Prerequisite: Commerce 1C or its equivalent.
Five one-hour periods per week.
- 2A. Typewriting I (fall, spring) 2 units**
A skill subject designed to teach the fundamentals of touch typing in the shortest possible time.
Six one-hour periods per week.
- 2B. Typewriting II (fall, spring) 2 units**
Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.
Prerequisite: Commerce 2A or its equivalent.
Six one-hour periods per week.
- 2C. Typewriting III (fall, spring) 2 units**
Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.
Prerequisite: Commerce 2B or its equivalent.
Six one-hour periods per week.

2D. Typewriting IV (fall, spring) 2 units

Advanced drills for accuracy and speed; law office typing.

Prerequisite: Commerce 2C or its equivalent.

Six one-hour periods per week.

4. Spelling (fall) 1 unit

A study of words used in business and industry with special drill on those commonly misspelled.

Two one-hour periods per week.

5A,B. Business Machines (fall, spring) 2 units

An intensive study of modern office machinery, including adding and calculating machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.

Six one-hour periods per week.

12. Bookkeeping (spring) 3 units

An introductory course in present-day theory and practice. Designed for those students with an employment objective who desire practical training in bookkeeping.

Three one-hour periods per week.

14A-14B. Principles of Accounting (year) 3-3 units

First semester: An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Second semester: A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, nonprofit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspects of accounting.

Prerequisite: Commerce 12 or its equivalent.

Three one-hour periods per week.

21. Business Mathematics (spring) 3 units

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. Commercial Law I (fall) 3 units

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. Business English (year) 3-3 units

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

***50. Salesmanship (fall) 2 units**

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

69. Secretarial Training (spring) 3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances. Practical secretarial problems involving personality studies and business etiquette; the telephone, transportation, interviewing callers, keeping business calendars; and sources of material on business subjects.

Prerequisite: Commerce 2B and 41A-41B.

Nine one-hour periods per week.

71. Dictation and Transcription (fall) 2 units

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Prerequisite: Commerce 1C or its equivalent.

Six one-hour periods per week.

UPPER DIVISION**130. Commercial Law II (spring) 3 units**

Civil Code of California; corporation law; law of personal and real property, carriers, trademarks, copyrights, bailments; and law of bankruptcy. Textbook, cases, and lectures.

Prerequisite: Commerce 40.

Three one-hour periods per week.

***134. Marketing (spring) 3 units**

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Prerequisite: Upper division status.

Three one-hour periods per week.

* Not given. 1944-45.

EDUCATION AND TEACHER TRAINING

REQUIREMENTS FOR THE A.B. DEGREE WITH A CREDENTIAL

Credential curricula offered. The College offers curricula leading to the Kindergarten-Primary Credential, the General Elementary Credential, the General Junior High School Credential, the special Secondary Credential in Physical Education, the Elementary School Administration Credential, and the Elementary School Supervision Credential. Ordinarily neither the Kindergarten-Primary curriculum nor the General Junior High School curriculum is taken independently of the General Elementary curriculum, for either credential by itself is not practical in the northwestern part of the State.

Units required. For the A.B. degree with one credential 120 units are required. Not more than 40 units in Education or any one subject field may be applied toward a credential. For each additional credential 12 more units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in nonprofessional fields of study.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is 24 units completed at this College. Of these 24 units not more than 12 may be taken in the extension division of the College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Fundamentals. All candidates for a credential are required to show an everyday working knowledge of the fundamental subjects in the elementary school curriculum—English grammar, arithmetic, history, geography, and spell-

ing. Standardized tests in these subjects are given in the class in Education 133. A satisfactory score in these achievement tests is prerequisite to Education 320, 321, 322, and 323.

Majors and minors. Candidates for all teaching credentials must complete a major in Education. In addition, candidates for the General Elementary and the Kindergarten-Primary Credentials must complete a major in Education and two minors. Candidates for the General Junior High School Credential are required to complete a major in Education, a major in a subject field taught in junior high school, and one minor. Candidates for the Special Secondary Credential in Physical Education complete a major in Physical Education, and minors in Education and a subject field. When this credential is taken in conjunction with another credential, the student completes a major in Education instead of a minor. The list of available majors and minors is found on pages 41-42.

Scholarship. In addition to the requirement of a scholarship average of C for graduation with the A.B. degree, the College requires that candidates for a teaching credential maintain a general scholarship average of C and a grade of C or better in all courses in Education taken before enrolling in Education 133, 134, 192, 310, 320, 321, 322, and 323. Candidates for the General Junior High School Credential must maintain an average of C also in the teaching major and minor.

In their student teaching candidates must do satisfactory work, i.e., equivalent to a grade of C or better. If a student teacher falls short of the required standards, he or she will be given an Incomplete and allowed another semester's trial. If the second semester's work is unsatisfactory, it may be assumed that the candidate lacks the requisite qualities for successful teaching. However, every effort is made to ascertain whether or not a candidate possesses these qualities before allowing him to undertake student teaching. Only a grade of + or F is given for student teaching; no letter grades are given. The units of the student teaching courses do not figure in the calculation of the candidate's scholarship index.

Student teaching. Before being permitted to undertake student teaching a candidate for a teaching credential must have given evidence of (a) an adequate knowledge of the fundamentals, (b) the personal qualities essential to success and desirable in a teacher, and (c) physical fitness.

Student teaching offers a highly profitable experience to the prospective teacher. In order to increase his or her chances for success and to minimize possible discouragement the student is brought gradually to his classroom responsibilities. In the preparatory courses in Education an attempt is made wherever possible to relate theory to the schoolroom activities, with the College Elementary School as the laboratory. This is especially true in Child Growth and Development, Elementary School Curriculum, Observation, and Elementary School Art, Music, and Physical Education. The prospective teacher is enabled thereby, before undertaking supervised teaching in the Elementary School, to familiarize himself with classroom conditions, procedures, and activities, with the books and materials of the classroom, and with the habits and learning processes of children. Then, in either semester of the senior year the prospective teacher teaches under trained supervisors for three hours a day. Nine weeks is spent teaching a lower grade and nine weeks an upper grade.

Concurrently with student teaching, the prospective teacher takes Rural Education and Philosophy of Education. Wherever possible no other classes are to be taken during the semester that the student is doing directed teaching.

Required Courses. The courses required for the several credentials are listed in the following recommended sequences.

Course Requirements for A.B. Degree With Teaching Credential

The sequence of required courses listed on the following pages is not inflexible, but is suggested as the one which eliminates program conflicts. Courses which are offered both semesters may be taken out of sequence without creating serious program conflicts. *Courses offered only once during the year should be taken in the semester recommended in the sequence.*

FRESHMAN YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 10A ¹	3	3	3	--
English 1A*	3	3	3	3
Health and Hygiene 1	2	2	2	2
History 4A	3	3	3	3
Orientation 1	1	1	1	1
Orientation 2	1	1	1	1
Phys. Educ. 5 or 15	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. Activity	--	--	--	4
Zoology 1A ²	--	--	--	--
Elective	2	2	3	--
Totals	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$	15 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 1	--	--	--	2
Biology 10B ¹	3	3	3	--
English 1B	3	3	3	3
Health and Hygiene 55	--	--	--	2
History 4B	3	3	3	3
Music 10*	3	3	3	--
Phys. Educ. Activity	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physiology 1 ²	--	--	--	5
Elective or Minor	3	3 (or Major)	4	--
Totals	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$	16

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

² Students taking Special P. E. in combination with either General Elementary or General Junior High School Credential, take Zoology 1A and Physiology, but not Biology 10A-10B.

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Anatomy 66	---	---	---	3
Art 1	2	2	2	---
Economics 1A	3	3	3	3
Geology 1A ¹	3	3 ²	3	---
Music 10*	---	---	---	3
Music 60A	1 ¹ 2 ²	1 ¹ 2 ²	1 ¹ 2 ²	---
Phys. Educ. Activity	1 ¹ 2 ²	1 ¹ 2 ²	1 ¹ 2 ²	1
Speech 1A or 2A	---	---	---	3
Elective	6	6 (or Major)	6	3
Totals	15	15	15	16

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Economics 1B	3	3	3	3
Geography 2*	2	2	2	2
Psychology 1	3	3	3	3
Phys. Educ. Activity	1 ¹ 2 ²	1 ¹ 2 ²	1 ¹ 2 ²	1
Phys. Educ. 192B or 193B	---	---	---	2
Physics 10*	3	3 ²	3	3
Speech 1A or 2A	3	3	3	---
Elective	---	2	2	---
Music Examination	---	---	See Adviser	---
Totals	14 ¹ ₂	16 ¹ ₂	16 ¹ ₂	14

* Subject requirement may be satisfied by examination; no unit credit.

¹ Botany minors substitute Zoology 4 and Zoology minors Botany 4 for Geology 1A.

² Home Economics majors substitute Chemistry 2 for Geology 1A or Physics 10.

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Industrial Education 15	---	---	2 or 3	---
Elective or Minor or Major	---	6	4 or 3	---
Totals	---	6	6	---

JUNIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 190 ¹ -----	2	2	2	--
Education 110 -----	2	2	2	2
Education 111 -----	3	3	3	3
Education 192 -----	--	--	3	--
Industrial Education 15 or 51 -----	3	3	--	--
Mathematics 20* -----	2	2	2	--
Phys. Educ. 151 -----	--	--	--	2
Phys. Educ. 175 -----	--	--	--	3
Pys. Educ. 190 -----	1	1	1	--
Phys. Educ. 192A or 193A -----	--	--	--	2
Phys. Educ. 199 -----	--	--	3	2
Elective or Minor -----	3	3 (or Major)	3	--
Totals -----	16	16	16	14

¹ Majors and minors in Biological Sciences are not exempt from this required course.

* Subject requirement may be satisfied by examination; no subject credit.

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 190 -----	2	2	2	--
Education 170 -----	--	2	--	--
Music 190 -----	2	2	2	--
Phys. Educ. Activity -----	--	--	--	$\frac{1}{2}$
Phys. Educ. 152 -----	--	--	--	2
Phys. Educ. 190 -----	--	--	--	1
Phys. Educ. 199 -----	2	2	2	2
Elective or Minor -----	9	9	9	10
Totals -----	15	17	15	15 $\frac{1}{2}$

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Approved courses for Kindergarten- Primary (to be taken elsewhere) ---	--	--	6	--
Elective or Minor or Major -----	--	6	--	--
Totals -----	--	6	6	--

SENIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 133 -----	4	4	4	---
Education 134 -----	2	2	2	---
Education 310 -----	2	2	2	---
Education 321 -----	---	---	6	---
Education 322 -----	---	---	---	2
Education 323 -----	---	---	---	2 or 4
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. 176 -----	---	---	---	2
Phys. Educ. 198 -----	---	---	---	2
Political Science 151 -----	2	2	2	2
Elective or Minor -----	4	6	---	4 or 2
Totals -----	$14\frac{1}{2}$	$16\frac{1}{2}$	$16\frac{1}{2}$	$14\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 124 -----	2	2	2	2
Education 137 -----	2	2	2	---
Education 320 -----	10	10	10	---
Phys. Educ. Activity -----	---	---	---	$\frac{1}{2}$
Elective or Minor -----	---	---	---	12
Totals -----	14	14	14	$14\frac{1}{2}$
Total Required Units -----	120	132	132	120

MAJOR REQUIREMENTS

ALL UPPER DIVISION

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 110-----	2 units	Ed. 134-----	2 units
Ed. 124-----	2 units	Ed. 310-----	2 units
Ed. 133-----	4 units	Ed. 320-----	10 units

Additional requirements for specific credentials are as follows:

General Elementary		General Junior High School		Kindergarten-Primary	
Ed. 111-----	3 units			Ed. 111-----	3 units
Ed. 137-----	2 units			Ed. 137-----	2 units
		Ed. 170-----	2 units	Ed. 192-----	3 units
				Ed. 321-----	6 units
				Approved courses	6 units

Total units required

For General Elementary alone-----	27 units
For General Junior High School (rarely given alone)-----	24 units
For General Elementary-Junior High School-----	29 units
For General Elementary-Kindergarten-Primary-----	42 units
For Special Secondary in Physical Education-----	16 to 18 units

DESCRIPTION OF COURSES

Education

UPPER DIVISION

110. Educational Psychology (fall, spring) 2 units

The principles derived from a study of human behavior as applied to teaching and classroom problems. Measurements, evaluation, and the factors influencing learning are stressed throughout the course.

Taken concurrently with Education 111.

Two one-hour periods per week.

111. Growth and Development of the Child (fall, spring) 3 units

Interrelation of the physical, social, intellectual, and emotional development of a child from prenatal stage to late adolescence. Method of study involves directed observation of children at home, in school, and in play groups; writing of case studies; use of library; and classroom discussion.

Taken concurrently with Education 110.

Three one-hour periods per week.

124. Philosophy of Education (fall, spring) 2 units

The major theories of learning and present-day practices in the light of a democratic ideal.

Three one-hour periods per week.

- 110. Educational Psychology** (fall, spring) **2 units**
(Please see Child Growth and Development)
Taken concurrently with Education 111.
Two one-hour periods per week.
- 111. Child Growth and Development** (fall, spring) **3 units**
This course is combined with Educational Psychology. It is a study of child behavior planned to give teachers a scientific basis for living with children in the classroom.
Taken concurrently with Education 110.
Three one-hour periods per week.
- 124. Philosophy of Education** (fall, spring) **2 units**
The major theories of learning and present-day practices in the light of a democratic ideal.
Taken concurrently with Education 320.
Two one-hour periods per week.
- 133. The Elementary School Curriculum**¹ (fall, spring) **4 units**
This course is divided into three parts: the first deals with language arts in the primary grades; the second emphasizes elementary science; the third stresses social science as the core of an integrated curriculum.
Taken concurrently with Education 134 and 310.
Four one-hour periods per week.
- 134. Elementary School Reading**¹ (fall, spring) **2 units**
Provides the prospective teacher with definite activities for the teaching of reading in the modern elementary school.
Taken concurrently with Education 133 and 310.
One two-hour period per week.
- 137. Rural Education** (fall, spring) **2 units**
This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.
Taken concurrently with Education 320.
Two one-hour periods per week.
- 170. Principles of Secondary Education** (spring) **2 units**
The philosophy, objectives, principles, organization, administration and functioning of public schools for grades seven through 14. Special attention to adolescent psychology and the problems of teaching pupils in the adolescent period.
Two one-hour periods per week.
- 192. Curriculum for the Kindergarten-Primary Grades**¹ (fall) **3 units**
A study of the curriculum, materials and teaching techniques in the Kindergarten-Primary grades. Observation of children and lessons taught for demonstration.
Two one-hour periods and one one-hour observation period per week.
- 199. Special Problems in Education.**
Research in Education to be carried on under the direction of the college. Credit to be arranged.

¹ See Scholarship requirements, p. 74.

- 310. Observation**¹ (fall, spring) 2 units
 Observation and participation in classroom procedure; guidance of the growth and development of individuals and groups.
 Taken concurrently with Education 133 and 134.
 Four one-hour periods per week.
- 320. Directed Teaching**¹ (fall, spring) 10 units
 Students teach in grades one to eight in the College Elementary School for one semester for the Elementary or Junior High credential.
- 321. Kindergarten-Primary Teaching**¹ (fall, spring) 6 units
 Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary credential.
- 322. Elementary Physical Education Teaching**¹ (fall, spring) 2 units
 Students teach physical education daily in grades three to eight in the College Elementary School.
- 323. Secondary Physical Education Teaching**¹ (fall, spring) 2 or 4 units
 Students teach physical education daily one or two hours in a local secondary school.
 Prerequisite: Education 322.
- 324. College Physical Education Teaching** (fall, spring) 1 or 2 units
 Students assist in college physical education activity classes.
 Prerequisites: Education 322 or 323 and recommendation of the Department of Physical Education.
 Two one-hour periods per week.
- 330. Advanced Teaching** (fall, spring) 2 or 3 units
 This course provides an opportunity for students to do advanced teaching which may include work with special subjects, or experimentation with methods of teaching.

PSYCHOLOGY

- 1. General Psychology** (fall, spring) 3 units
 An introduction to the study of human behavior, emphasizing the significance of maturation, learning, motivation, and individual differences as they evolve in personality.
 Usually restricted to sophomores.
 Three one-hour periods per week.
- *3. Applied Psychology** (fall) 3 units
 Survey of the areas in which the general principles of psychology are applied, such as medicine, advertising, salesmanship, religion, business and personal relations. Course begins with a short survey of general principles; remainder of semester is devoted to independent supervised study of particular fields of application of student's own choice.
 Prerequisite: Consent of the instructor; Psychology 1 recommended.

¹ See Scholarship and Fundamentals Requirements, pp. 73-74.

* Not given 1944-45.

ADMINISTRATIVE CREDENTIAL CURRICULA

An Elementary School Administration Credential is required for the position of principal of a school of more than five teachers. A supervisor devoting more than half-time to supervision of instruction is required to have an Elementary School Supervision Credential.

General requirements for these two credentials are the possession of a valid General Elementary Credential, and two years of successful teaching experience in the elementary school.

For the Elementary School Administration Credential, it is necessary to complete thirty semester units of upper division or graduate work in addition to the holding of the General Elementary Credential, or training which an institution approved or accredited to recommend for the Elementary School Administration Credential certifies as fulfilling institutional requirements for a full year of work in addition to the holding of the General Elementary Credential.

For the Elementary School Supervision Credential, the requirement is twenty-four semester units of upper division or graduate work in addition to the holding of the General Elementary Credential.

Course requirements for these credentials are as follows:

	<i>Administration</i>	<i>Supervision</i>
Ed. 115, Educational Measurements and Guidance -----	4 units	4 units
Ed. 125, The Public School System -----	3 units	-----
Ed. 139, Elementary School Curriculum -----	3 units	3 units
Ed. 140A, School Administration and Supervision -----	2 units	2 units
Ed. 140B, School Administration and Supervision—Field Work -----	2 units	2 units
Ed. 141, Supervision of Instruction -----	4 units	4 units
Ed. 145, School Finance -----	2 units	-----
Ed. 148, Legal Aspects of Education -----	2 units	-----
Approved Electives -----	8 units	9 units
Totals -----	30 units	24 units

ENGLISH

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ENGLISH

LOWER DIVISION		Units
English -----	(See tabulation of major requirements on next page.)	12
Biological and Physical Sciences -----	(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 41.)	12
Foreign Languages -----	(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	10
Philosophy		
Year course -----		6
Physical Education		
Activities (one-half unit each semester) -----		2
Psychology		
1 (General Psychology) -----		3
Social Sciences -----		12
History 4A-4B (History of Western Civilization) -----		6
Additional Social Science -----		6

UPPER DIVISION		
English -----	(See tabulation of major requirements on next page.)	24
Political Science		
151 (American Constitutional Government) -----		2
Electives—enough to bring total of units up to 120.		
A minimum of 40 upper division units is required.		

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 42, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN ENGLISH

The requirements for this degree are the same as those for the liberal arts A.B. degree in English, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 40.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B-----6 units Eng. 56A-56B-----6 units	Eng. 1A-1B----- 6 units Recommended: Eng. 56A-56B.
Upper Division-----	Eng. 117-----3 units Eng. 151-----3 units Additional U. D. English-----18 units	12 units U. D. English. Recommended: Eng. 115-----3 units Eng. 117-----3 units Eng. 130A-----3 units	6 units U. D. English. Recommended: Eng. 115----- 3 units Eng. 130A----- 3 units
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

Subject A. English Composition (fall, spring) **3 units**

A study of grammar, usage, punctuation, and mechanics, with some practice in writing. Required of those who fail the test in "Subject A."

Three one-hour periods per week.

1A. First-year Reading and Composition (fall, spring) **3 units**

Emphasis on expository writing, with supplementary reading.

Three one-hour periods per week.

1B. First-year Reading and Composition (fall, spring) **3 units**

Emphasis on reading and an introduction to literature, with a continuation of written composition.

Three one-hour periods per week.

***5. Applied Composition** (fall) **3 units**

Writing applied to practical workaday needs of students both in and outside of college, such as radio programs, dramatic skits, publicity releases, announcements, application forms, and the like; writing as a group enterprise; class criticism of written work.

Three one-hour periods per week.

***8. Word Study** (fall, spring) **2 units**

Exercises in vocabulary building; of special value to credential candidates, and as preparation for standard tests given by the armed forces.

Two one-hour periods per week.

***10. Reading Laboratory** (fall, spring) **1, 2, or 3 units**

For students desiring improvement in certain phases of silent reading skills and for anyone wishing to read under the direction of an instructor; also for teachers who wish to learn the developmental approach to reading or the individual (clinical) methods for reading improvement in children.

Hours to be arranged.

* Not given 1944-45.

- *14. Choric Reading** (spring) 1 unit
 Oral interpretation of literature.
 One one-hour period per week.
- 20. News Writing** (fall, spring) 3 units
 This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.
 Prerequisite: English 1A or consent of the instructor.
 Three one-hour periods per week.
- 46A. Survey of English Literature** (fall) 3 units
 The beginning of English literature and the main aspect of its development down to the Restoration (1660).
 Prerequisite: English 1B.
 Three one-hour periods per week.
- 46B. Survey of English Literature** (spring) 3 units
 The leading movements in the development of English literature from the Restoration (1660).
 Three one-hour periods per week.
- 78. Children's Literature** 3 units
 A survey course intended to give an understanding and appreciation of the best literature for children of all ages. Books by notable contemporary authors and artists are read and discussed as well as traditional and classical literature. Attention is given to reading guidance and the stimulation of wider use of books for study and recreation. Recommended for candidates for the Kindergarten-Primary and the General Elementary Credentials.
 Three one-hour periods per week.
- *86. Directed Reading** (fall) 1 unit
 Emphasis on literary appreciation. Student maps own reading chart and covers what he considers vital to his growth. Lectures to acquaint students with aspects of literature.
 One one-hour period per week.

UPPER DIVISION

English 1A-1B is prerequisite to all upper division courses in English.

- *105. Creative Writing** (fall, spring) 3 units
 Three one-hour periods per week. (May not count as part of English minor).
- 112. Phonetics** (fall) 3 units
 See Speech 112.

* Not given 1944-45.

***115. The English Language (spring) 3 units**

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

***136. American Literature (fall) 3 units**

A study of the important writers of the nineteenth century in the United States with a brief survey of the literature of the Colonial and Revolutionary periods and of the contemporary period. It seeks to discover distinctively American contributions to world literature.

Three one-hour periods per week.

***142A. The Novel 3 units**

The English novel from Defoe through Scott. Students will read and study the novel, its origin, its development as a literary form.

Three one-hour periods per week.

142B. The Novel (fall) 3 units

The English novel from Dickens to contemporary writers. This is a continuation of course 142A, though 142A is not a prerequisite to 142B.

Three one-hour periods a week.

***153. The Age of Elizabeth 3 units**

Prose and poetry, exclusive of the drama.

Three one-hour periods per week.

†154. The Age of Swift and Pope 3 units**†155. The Romantic Period (spring) 3 units*****157. The Victorian Period (spring) 3 units****160. Chaucer (fall) 3 units**

The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.

Three one-hour periods per week.

162. Shakespeare (spring) 3 units

An intensive study of a few of Shakespeare's plays and a rapid reading of some others.

Three one-hour periods per week.

* Not given 1944-45.

† Given if sufficient demand.

HOME ECONOMICS

MAJOR AND MINOR REQUIREMENTS

<i>Junior High School Major in Home Economics</i>			<i>Home Economics Minor</i>
Lower Division	Home Econ. 1-----	3 units	6 units of L. D. Home Economics
	Home Econ. 3-----	3 units	
	Home Econ. 11-----	3 units	
	Home Econ. 20-----	3 units	
Upper Division	12 units chosen from—		6 units of U. D. Home Economics (Not to include Home Economics 190)
	Home Econ. 101-----	3 units	
	Home Econ. 122-----	3 units	
	Home Econ. 130-----	3 units	
	Home Econ. 160-----	3 units	
	Home Econ. 190-----	3 units	
Total units required		24 units	

A liberal arts major in Home Economics may be completed at this College if the student supplements her work here with two summer sessions elsewhere. The choice of subjects should be made in consultation with the student's adviser and the Registrar.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Clothing Construction (fall) 3 units

Laboratory work directed toward the development of good technique in clothing construction processes; use of sewing machine and hand stitches; selection and alteration of commercial patterns; correct fitting methods; use of cotton, linen, and rayon fabrics in making garments.

One one-hour lecture and two three-hour laboratory periods per week.

3. Clothing Design and Textiles (spring) 3 units

A study of clothing as an expression of personality and good taste in dress, with a study of the elements of design and color as related to the selection of clothing. Individual color types and figure problems considered. Emphasis on clothing budgets and buying problems.

Three one-hour periods per week.

11. Hostess Training and Foods (fall) 3 units

The planning, preparation, and serving of meals for various occasions; types of meal service and etiquette involved.

Two one-hour lecture and one three-hour laboratory periods per week.

20. Elementary Nutrition and Foods (spring) 3 units

A study of elementary nutrition with practice in food preparation and menu planning. Special emphasis on selection of foods for individuals and families.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

101. Advanced Clothing and Textiles (fall) 3 units

Laboratory practice in clothing construction and design with emphasis on children's clothing; study of consumer problems in selection of clothing, textiles, and household furnishings.

Prerequisite: Home Economics 1.

Two one-hour lecture and one three-hour laboratory periods per week.

122. Nutrition Work with Children (spring) 3 units

The nutritional needs of children of pre-school and school age; methods of judging good and poor nutrition in children; causes and prevention of malnutrition; formation of desirable food habits; problems of the school lunchroom.

Prerequisite: Home Economics 20.

Three one-hour periods per week.

130. Household Administration (spring) 3 units

A study of the modern family and its housing needs, emphasizing standards and selection of equipment and furnishings, their arrangement and care; management factors with respect to household tasks, home ownership, and finances. Open to all students.

Three one-hour periods per week.

160. Social and Economic Problems of the Family (fall) 3 units

A study of the family as an institution and the social and economic conditions affecting American family life. Open to all students.

Three one-hour periods per week.

190. Homemaking Problems in the Elementary School (fall, spring) 2 or 3 units

Designed to acquaint the prospective elementary school teacher majoring in Home Economics with homemaking procedures that can be adapted for use in the elementary grades in correlation with a given unit of work. Not applicable to a minor in Home Economics, but recommended to those minoring in Home Economics as an elective.

One lecture period per week, with classroom demonstrations.

INDUSTRIAL EDUCATION

MAJOR AND MINOR REQUIREMENTS

Junior High School Major in Industrial Education

Lower Division	Ind. Educ. 7A-----	2 units
	Ind. Educ. 51*-----	3 units
	Additional L. D. Ind. Educ. -----	7 units
Upper Division	Ind. Educ. 101-----	3 units
	Ind. Educ. 130-----	2 units
	Additional U. D. Ind. Educ. -----	7 units
Total units required		24 units

A liberal arts group major which includes Industrial Education may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

Minors in Industrial Education

General Elementary

Junior High School and Pre-Secondary

Lower Division	Ind. Educ. 15 or 51*-----	3 units	Ind. Educ. 7A-----	2 units
	3 or more units chosen from—		Ind. Educ. 51*-----	3 units
	Ind. Educ. 5-----	2 or 3 units	4 or more units chosen from—	
	Ind. Educ. 6-----	2 units	Ind. Educ. 5-----	2 or 3 units
	Ind. Educ. 7A-----	2 units	Ind. Educ. 12-----	3 units
	Ind. Educ. 12-----	3 units	Ind. Educ. 13-----	2 or 3 units
Upper Division	Ind. Educ. 51-----	3 units	Ind. Educ. 15-----	3 units
	Art 6-----	2 or 3 units	Art 6-----	2 or 3 units
	Ind. Educ. 191 (men only)-----	2 units	Ind. Educ. 130-----	2 units
	4 or more units chosen from—		Ind. Educ. 191-----	2 units
	Ind. Educ. 101-----	2 or 3 units	5 or more units chosen from—	
	Ind. Educ. 105-----	2 units	Ind. Educ. 101-----	2 or 3 units
Total units required	Ind. Educ. 112-----	2 or 3 units	Ind. Educ. 103-----	2 or 3 units
	Ind. Educ. 123-----	3 units	Ind. Educ. 105-----	2 units
	Ind. Educ. 124-----	2 or 3 units	Ind. Educ. 112-----	2 or 3 units
	Ind. Educ. 130-----	2 units	Ind. Educ. 125-----	3 units
		12 units		18 units

* Industrial Education 51 will be waived as a subject requirement for students who have had two years of high school manual training.

DESCRIPTION OF COURSES

LOWER DIVISION

5. Pottery (fall)

2 or 3 units

A course in an interesting and age-old industry. Designing, casting, throwing, modeling, glazing, and firing.

Two or three three-hour periods per week.

*6. Cement and Concrete Work (spring)

2 units

Theory and practical application of concrete work, including ornamental cement.

Two three-hour periods per week.

* Not given 1944-45.

7A. Mechanical Drawing (fall, spring) 2 units

A fundamental course in mechanical drawing which covers orthographic, isometric, and cabinet projections, intersection of solids, sections, screws and threads, cams, blue prints, etc.

Three two-hour periods per week.

7B. Advanced Mechanical Drawing (fall) 2 units

An advanced course in mechanical drawing intended primarily for students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Prerequisite: Industrial Education 7A or its equivalent in high school.

Three two-hour periods per week.

9. Stone Polishing and Plastics (spring) 2 or 3 units

In this course an age old art is united with a very modern one. Stone cutting has been practiced for many years; plastic is very modern, but has many possibilities. The combination of the two subjects makes an interesting study.

Two or three-hour periods per week.

***12. Metal Arts (spring) 3 units**

The application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. Architectural Drafting (spring) 2 or 3 units

A beginning course in the fundamentals of house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in mechanical drawing either in high school or college is advisable as background.

Two or three three-hour periods per week.

15. Crafts in the Elem. Schools (fall, spring) 3 units

A course in the use of native materials and waste products applicable to the elementary grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the kinds of work done. Required of all women candidates for a credential.

Three one-hour class periods and six hours of outside work per week.

16. Toycraft 2 or 3 units

This course is planned for those students who are interested in child life and the many ingenious toys that it is possible to make for children.

Two or three-hour periods per week.

51. Fundamentals of Industrial Education (fall, spring) 3 units

The fundamentals of industrial education in terms of teaching industrial arts in the elementary grades. Covers methods, courses of study, construction of objects of the elementary grades level, and care and use of equipment. Required of all men candidates for a teaching credential.

Three three-hour periods per week.

UPPER DIVISION

- 101. Advanced Woodworking** (spring) 2 or 3 units
 Building of boats, airplane gliders, and large pieces of similar nature.
 Prerequisite: Industrial Education 51 or its equivalent.
 Two or three three-hour periods per week.
- 103. The Art of House Design** (fall) 2 or 3 units
 A thorough-going study of home planning and building in which an entire house is planned in structure and furnishings.
 Prerequisite: Industrial Education 13.
 Two or three three-hour periods per week.
- 105. Advanced Pottery** (fall) 2 units
 Study of the problems involved in pottery making, from the standpoint of both teaching and business. Designing, decorating, throwing, packing, firing of the kiln are a few of the subjects studied.
 Prerequisite: Industrial Education 5.
 Two three-hour periods per week.
- *112. Advanced Metal Arts** (spring) 2 or 3 units
 An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, and other metals.
 Prerequisite: Industrial Education 12.
 Two or three three-hour periods per week.
- †113. Machine Shop Practice** 2 units
 The use and operation of the common machines, with practical application to everyday life.
 Prerequisite: Upper division status or consent of the instructor.
 Two three-hour periods per week.
- †123. Pattern-Making and the Theory of Foundry Practice** (fall) 3 units
 A study in the basic principles of foundry practice and pattern-making. The construction of simple patterns, and casting in softer metals.
 Prerequisite: Industrial Education 51 or its equivalent.
 Three three-hour periods per week.
- †124. Advanced Cabinet and Other Wood Construction** (fall) 2 or 3 units
 Advanced course in woodwork designed for students interested in teaching or in problems of advanced construction.
 Prerequisite: Industrial Education 101.
 Two or three three-hour periods per week.
- †125. Carpentry** (spring) 3 units
 A study of house construction in which houses in miniature are built to illustrate construction problems. Recommended as a suitable course to follow Industrial Education 103.
 Prerequisite: Industrial Education 51 or its equivalent.
 Three three-hour periods per week.

* Not given 1944-45.

† Given if sufficient demand.

†130. Industrial Arts Design (spring) 2 units

Theory and practice in the designing of objects in the industrial arts and their decoration.

Prerequisite: Industrial Education 7A.

Two one-hour lecture and two two-hour laboratory periods per week.

†191. Management of School Shops (spring) 2 units

A course in the objectives, methods, and content of shop programs for the grade schools. Intended for students majoring in Industrial Education.

Prerequisite: Industrial Education 51 and upper division status.

Two one-hour periods per week.

† Given if sufficient demand.

MATHEMATICS AND PHILOSOPHY

MINOR REQUIREMENTS

<i>Minor in Mathematics</i>	
Lower Division	Prerequisites (may be satisfied in high school) Elementary Algebra Intermediate Algebra Plane Geometry Plane Trigonometry Mathematics 3A-3B ----- 6 units
Upper Division	Mathematics 104A-104B ----- 6 units In addition to prerequisites: 12 units
Total units required	

DESCRIPTION OF COURSES

Mathematics

LOWER DIVISION

- C. Trigonometry (fall) 3 units**
 Plane trigonometry and spherical right triangles.
 Prerequisite: Plane geometry and one and one-half years of high school algebra or Mathematics 1.
 Three one-hour periods per week.
- †E. Solid Geometry (spring) 2 units**
 Prerequisite: Elementary algebra and plane geometry.
 Two one-hour periods per week.
- 1. Intermediate Algebra (fall) 3 units**
 Quadratic equations; exponents and radicals; practice in the use of logarithms; theory of equations; elementary determinants; progressions; and the binominal theorem.
 Prerequisite: One year of high school algebra or general mathematics.
 Three one-hour periods per week.
- 2. Mathematics of Finance (spring) 3 units**
 Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance.
 Prerequisite: Two years of high school algebra or Mathematics 1.
 Three one-hour periods per week.
- 3A-3B. Plane Analytic Geometry and Calculus (year) 3-3 units**
 First semester: Cartesian and polar equations of the straight line; conic sections; and general equations of the second degree.
 Second semester: Plane analytics continued. Differential calculus and an introduction to integral calculus.
 Prerequisite: High school algebra, plane geometry, and trigonometry.
 Three one-hour periods per week.

† Given if sufficient demand.

†8. **College Algebra** (spring) 3 units
Theory of equations; determinants; equations of third and fourth degrees.

Prerequisite: Mathematics 3A.
Three one-hour periods per week.

20. **Mathematics of the Elementary School** (fall, spring) 2 units
Operations and principles essential to the manipulation of fractions, equations, and formulae, with application to design, graphics, statistics, investment, and engineering.

Two one-hour periods per week.

*40. **Elementary Statistical Methods** (spring) 3 units
Theory and uses of statistical methods. Practice in tabular and graphical representation of data. Measures of central tendency, relationships, and dispersion. Coefficients, index numbers, time series, and other forms of statistical calculations based on practical relevant data. Use of calculating machines encouraged.

It is recommended that students taking this course consult the instructor concerning the adequacy of their mathematical background.

Three one-hour periods per week.

UPPER DIVISION

†104A-104B. **Integral Calculus and Solid Analytics** (year) 3-3 units
First semester: Continues the development and application of the calculus. Infinite series, partial derivatives.

Second Semester: Quadric surfaces and multiple integration.

Prerequisite: Mathematics 3A-3B.

Three one-hour periods per week.

Civil Engineering

1A-1B. **Plane Surveying** (year) 3-3 units
Principles, field practice, calculations, and mapping.

Prerequisite: Plane trigonometry and Industrial Education 7A or its equivalent.

Two one-hour lecture and one three-hour laboratory periods per week.

†2. **Descriptive Geometry** 3 units
The principles of descriptive geometry and their application to engineering problems. Required for engineering and based on the course given at the University of California.

Prerequisite: Industrial Education 7A or its equivalent.

Three one-hour lecture and three two-hour drafting periods per week.

* Not given 1944-45.

† Given if sufficient demand.

*Philosophy***6A-6B. Introduction to Philosophy (year)****3-3 units**

First semester: An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources, including the philosopher-poets and contemporary writers.

Second semester: A special consideration of the basic problems of philosophy, including historical references to solutions presented in the past.

Three one-hour periods per week.

MODERN LANGUAGES

MINOR REQUIREMENTS

<i>Minor in French</i>	
Lower Division	Prerequisites: French 1A-1B or two years of high school French French 2A----- 3 units French 2B----- 3 units French 8A----- 1 unit French 105A-105B----- 6 units
Upper Division	
Total units required	In addition to prerequisites: 13 units

DESCRIPTION OF COURSES

French

LOWER DIVISION

- 1A. Elementary French (fall)** **3 units**
 Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
 Four one-hour periods per week.
- 1B. Elementary French (spring)** **3 units**
 Continuation of French 1A.
 Prerequisite: French 1A or one year of high school French.
 Four one-hour periods per week.
- 2A. Intermediate French (fall)** **3 units**
 Grammar review and reading of modern short stories, novels, plays and works descriptive of French civilization.
 Prerequisite: French 1B or two years of high school French.
 Three one-hour periods per week.
- 2B. Intermediate French (spring)** **3 units**
 Continuation of French 2A.
 Prerequisite: French 2A or three years of high school French.
 Three one-hour periods per week.
- 5A-5B. Advanced Reading (year)** **3-3 units**
 Introduction to French literature.
 Prerequisite: French 2B or four years of high school French.
 Three one-hour periods per week.
- 8A. French Pronunciation (spring)** **1 unit**
 Prerequisite: French 1A or one year of high school French.
 One one-hour period per week.

10A-10B. Directed Reading (year) 1 or 2 units

Reading of literature or scientific texts, chosen to meet the interests and needs of the individual student.

Prerequisite: French 2B or equivalent, or consent of instructor.

Hours arranged with the instructor.

UPPER DIVISION**105A-105B. Survey of French Literature (year) 3-3 units**

A brief survey of French literature from its beginning to the present time. Extensive reading of works of representative authors of all periods.

Prerequisite: French 2B or four years of high school French.

Three one-hour periods per week.

110A-110B. Directed Reading (year) 1 or 2 units

Similar to 10A-10B, but for upper division students.

Prerequisite: French 105A or consent of instructor.

Hours arranged with the instructor.

Spanish**1A. Elementary Spanish (fall) 3 units**

Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Four one-hour periods per week.

1B. Elementary Spanish (spring) 3 units

Continuation of Spanish 1A.

Prerequisite: Spanish 1A or one year of high school Spanish.

Four one-hour periods per week.

2A. Intermediate Spanish (fall) 3 units

Grammar review and reading of modern short stories, novels, plays and works descriptive of Latin American civilization.

Prerequisite: Spanish 1B or two years of high school Spanish.

Three one-hour periods per week.

2B. Intermediate Spanish (spring) 3 units

Continuation of Spanish 2A.

Prerequisite: Spanish 2A or three years of high school Spanish.

Three one-hour periods per week.

10A-10B. Directed Reading (year) 1 or 2 units

Reading of texts chosen to meet the interests and needs of the individual student.

Prerequisite: Spanish 2B or equivalent, or consent of instructor.

Hours arranged with the instructor.

MUSIC

MAJOR AND MINOR REQUIREMENTS

Junior High School Major

The junior high school major is available in two forms, instrumental or vocal. In each form the major consists of approximately 32 units in music courses selected according to the needs of the individual student. Instrumental majors must play in the orchestra or band at least six semesters. Vocal majors must sing in the a cappella choir six semesters. However, not more than six units in a cappella choir may be applied toward the major. Participation in the several musical organizations is subject to the approval of the department.

The courses fundamental to the major in both forms are:

Lower Division	Music 1	3 units
	Music 2	3 units
	Music 20A-20B	6 units
Upper Division	Music 120A-120B	6 units
	Music 141	2 units
	Music 146	2 units
	Music 192	3 units

A liberal arts group major which includes Music may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

<i>Instrumental Minor</i>			<i>Vocal Minor</i>		
Lower Division	Piano Test		Piano Test		
	Music 1	3 units	Music 2	3 units	
	Music 10	3 units	Music 10	3 units	
	Music 50 or 51	1 unit	Music 11	2 units	
	*Music 71, 72, or 73 (two courses)	4 units	Music 60 or 65	2 units	
Upper Division	Music 131	1 unit	Music 76	$\frac{1}{2}$ unit	
	Music 141	2 units	Music 146	1 unit	
	Music 150 or 151	1 unit	Music 160 or 165	2 units	
	Music 192	3 units	Music 192	3 units	
Total units required		18			16 $\frac{1}{2}$

* To be taken in the two orchestral sections in which student has not had training.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Music History—Instrumental (fall) 3 units

The development and changes in instrumental music and their relation to cultural history. Emphasis is placed upon listening to music to the end of developing critical knowledge of music through a study of styles and forms.

Three one-hour periods per week.

2. Music History—Vocal (spring) 3 units

The study of vocal music from the same approach as in Music 1.

Three one-hour periods per week.

Both Music 1 and Music 2 are suitable for non-music majors and minors who wish to know more about music as a part of their general education.

10. Musicianship (fall, spring) 3 units

Elementary work in ear training, sight singing, and piano keyboard; designed to give the fundamentals of music in a direct and concise manner.

Required for all students working toward a teaching credential. Music majors not eligible.

Three one-hour periods per week.

11. Ear Training and Sight Singing (fall, spring) 2 units

Designed to give a thorough foundation in pitch, rhythm, and harmony in the major and minor modes. These elements are presented through musical-tonal and rhythmical dictation, sight singing, and melodic writing. It emphasizes the chordal basis of melodies in both classic and modern harmonies.

Prerequisite: Music 10.

Two one-hour periods per week.

15. Piano for Teachers (fall, spring) 1 unit

An extension of Music 10. A practical course in piano for prospective teachers. Learning of simple chords and application of them in harmonizing simple songs; learning to improvise accompaniments.

One one-hour period per week.

20A-20B. Harmony (year) 3-3 units

The creation and analysis of music. Keyboard harmony; analysis of musical composition for form and content; harmonization of given melodies and original compositions for voices, piano, and other instruments.

Students enrolling should have some ability in playing the piano.

Three one-hour periods per week.

70A-70B. Piano (year) 1-1 unit

Class instruction open to any student who has a desire to learn to play the piano. No preliminary knowledge of piano is needed.

One one-hour period per week.

71. Strings (fall) 2 units

Violin, viola, 'cello, string bass. Study and practice of one or more of the string instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

***72. Brass Instruments (spring) 2 units**

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

73. Woodwinds (spring) 2 units

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

- *76. Voice** (fall, spring) 1/2 unit
 Elementary class instruction in voice. Designed to help students improve tone quality and musicianship of their singing.
 One one-hour period per week.

UPPER DIVISION

Unless otherwise specified Music 10 or its equivalent is prerequisite to all upper division Music courses.

- *120A-120B. Advanced Harmony and Composition** (year) 3-3 units
 A continuation of Music 20A-20B.
 Prerequisite: Music 20A-20B.
 Three one-hour periods per week.

- 131. Instrumental Arranging** (fall, spring) 1 unit
 A practical course in arranging music for various combinations of instruments, with special reference to school orchestras. To be taken in senior year.
 Prerequisite: Music 10 or 70, 141, and consent of the instructor.
 Two one-hour periods per week.

- 141. Instrumental Conducting** (spring) 2 units
 Baton and rehearsal technique; the problems associated with various kinds of instrumental organizations; program building; principles of interpretation.
 Two one-hour periods per week.

- *146. Choral Conducting** (fall) 1-2 units
 Same as Music 141 but applied to choral singing.
 Vocal music *minors* enroll for 1 unit and attend class for first half of semester. Vocal music *majors* attend whole semester for 2 units.
 Two one-hour periods per week.

- 190. Elementary Music Education** (fall, spring) 2 units
 Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences. (Not applicable to a minor in Music.)

Prerequisite: Music 60A or 165A-165B.

Two one-hour class and two one-hour observation periods per week.

- 192. Secondary Music Education** (fall) 3 units
 An intensive study of musical literature. Provides a procedure for using such materials in the varying grade levels from the first grade to the junior high school, with emphasis upon the needs in the junior high school level.

Three one-hour periods per week.

* Not given 1944-45.

Musical Organizations

50A, B, C, D; 150A, B, C, D. Orchestra (fall, spring) $\frac{1}{2}$ unit

Affords qualified students an opportunity for study of good orchestral composition and for learning to play with interpretation, finish, and precision. Outside practice necessary.

Prerequisite to Music 150: Music 50A, B.

Two two-hour periods per week.

***51A, B, C, D; 151A, B, C, D. Band** (fall, spring) $\frac{1}{2}$ unit

Playing of both popular and symphonic band music. During the fall athletic season the band plays for athletic contests and rallies. Thereafter attention is devoted entirely to symphonic band music for playing in public concert.

Prerequisite to Music 151: Music 51A, B.

Two one-hour periods per week.

60A, B, C, D; 160A, B, C, D. College Chorus (fall, spring) $\frac{1}{2}$ unit

A musical organization open to any member of the student body without try-outs. It affords opportunity to become acquainted with some of the best music of the past and present. The chorus appears in several public performances during the year.

Prerequisite for Music 160: Music 60A, B.

Two one-hour periods per week.

***65A-65B, 65C-65D; 165A-165B, 165C-165D. A Cappella Choir**
(year) 1-1 or 2-2 units

A selected group of singers who sing a cappella literature ranging from the sixteenth century to the present. Principles of style and interpretation, voice production, and other attributes of musicianly singing are dwelt upon to a much greater extent than is possible in the College Chorus. The choir gives many concerts and usually goes on tour in the spring of each year.

No credit is given for the first semester (fall) unless the student enrolls in and completes the course for the second semester (spring). An exception is made in case of withdrawal from College after first semester.

Prerequisite for Music 165: Music 65A-65B.

Two two-hour periods per week.

Private Lessons

Credit for private lessons will be given on the basis of one unit for one half-hour lesson per week and the necessary practice for the lesson for a semester.

80. Private Lessons—Piano

Miss Jackson, \$5.00 per month; Mr. Fulkerson, \$1.50 per lesson.

81. Private Lessons—String Instruments

Violoncello—Mrs. Fulkerson, \$1.50 per lesson.

***86. Private Lessons—Voice**

Dr. Jeffers, \$1.50 per lesson.

* Not given 1944-45.

ORIENTATION

1. Orientation I (fall)

1 unit

College problems pertinent to beginning students, such as ideals, scholarship, adjustment, health, student government, methods of study, matriculation in other institutions, and choice of vocation. Discussion of subject offerings of the various academic departments, led by their respective faculty members.

One one-hour period per week.

2. Orientation II (fall, spring)

1 unit

Provides the prospective teacher with an opportunity to observe actual classroom procedures in the College Elementary School. Its purpose is to help the student determine early in his college career whether or not he or she should pursue a Teacher Education curriculum.

Two one-hour class periods and one one-hour of play observation and participation per week.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational, physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190 and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Every student enrolled in the College must take a half unit of physical education activities during each semester. Persons twenty-one years of age or older may be exempt from this requirement with consent of the Department.

MAJOR AND MINOR REQUIREMENTS

	<i>Major for Special P. E. Credential</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division----	H.H. 1 ----- 2 units H.H. 55 ----- 2 units Activity Course ----- $\frac{1}{2}$ unit Men P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A ----- 1 unit P.E. 10A ----- 1 unit P.E. 26A or 31 ----- $\frac{1}{2}$ unit Women P.E. 15 ----- $\frac{1}{2}$ unit P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit	H.H. 1 ----- 2 units Activity Courses ----- $1\frac{1}{2}$ units Men P.E. 5 ----- $\frac{1}{2}$ unit P.E. 9A ----- 1 unit P.E. 10A ----- 1 unit Women P.E. 15 ----- $\frac{1}{2}$ unit P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit	H.H. 1 ----- 2 units Activity Courses ----- $1\frac{1}{2}$ units Men P.E. 9A ----- 1 unit P.E. 10A ----- 1 unit Women P.E. 16A ----- $\frac{1}{2}$ unit P.E. 17A ----- $\frac{1}{2}$ unit P.E. 18A or 26A ----- $\frac{1}{2}$ unit
Upper Division----	P.E. 151 ----- 3 units P.E. 152 ----- 2 units P.E. 175 ----- 3 units P.E. 176 ----- 2 units P.E. 190 ----- 1 unit P.E. 198 ----- 2 units P.E. 199 ----- 2 units Ed. 322 ----- 2 units Ed. 323 ----- 2 or 4 units Activity Courses ----- $1\frac{1}{2}$ units Men P.E. 192A-B --- 4 units Women P.E. 120 ----- 1 unit P.E. 193A-B --- 4 units Men ----- 32-34 units Women ----- 32-34 units	P.E. 151 ----- 3 units P.E. 152 ----- 2 units P.E. 175 ----- 3 units P.E. 176 ----- 2 units P.E. 190 ----- 1 unit P.E. 199 ----- 2 units Activity Courses ----- $1\frac{1}{2}$ units * Electives in P.E. (May be Lower Division) -- $1\frac{1}{2}$ units Men P.E. 192A-B --- 4 units Women P.E. 120 ----- 1 unit P.E. 193A-B --- 4 units Men ----- 26 units Women ----- 27 units	P.E. 176 ----- 2 units P.E. 190 ----- 1 unit P.E. 199 ----- 2 units Men P.E. 192A-B --- 4 units Women P.E. 193A-B --- 4 units Men ----- $14\frac{1}{2}$ units Women ----- 14 units
Total units required-----			

DESCRIPTION OF COURSES

Courses for Men

LOWER DIVISION

- 5. Freshman Physical Activities** (fall, spring) ½ unit
Fundamentals of team and individual sports, together with some achievement tests.
Required of all freshmen and limited to freshmen.
Two one-hour periods per week.
- 8A, B. Individual Sports** (fall, spring) ½ unit
Boxing, fencing, tumbling, wrestling (choice of one or more).
Two one-hour periods per week.
- *9A, B, C, D. Intercollegiate Football** (fall) 1 unit
Daily afternoon practice.
- 10A, B, C, D. Intercollegiate Basketball** (spring) 1 unit
Daily afternoon practice.
- *11A, B, C, D. Baseball** (spring) ½ unit
Intercollegiate competition when it can be arranged; games with local teams.
Daily afternoon practice.
- *12A, B, C, D. Track** (spring) ½ unit
Intercollegiate competition when it can be arranged; meets with local organizations.
Daily afternoon practice.
- 13. Commando** (fall, spring) 1 unit
One hour daily.

UPPER DIVISION

- *192A. Theory of Athletics** (fall) 2 units
Football, soccer, speedball, and basketball.
Prerequisite: Upper division status only.
Two one-hour periods per week.
- *192B. Theory of Athletics** (spring) 2 units
Baseball, track and field, and tennis.
Prerequisite: Upper division status only.
Two one-hour periods per week.

* Not given 1944-45.

Courses for Women**LOWER DIVISION****15. Freshman Physical Activities (fall) ½ unit**

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

Required of all freshmen women and limited to freshmen.

Two one-hour periods per week.

16A, B, C. Fall Sports (fall) ½ unit

Field hockey and volleyball.

Two one-hour periods per week.

17A, B, C, D. Spring Sports (spring) ½ unit

Basketball and softball.

Two one-hour periods per week.

18A. Beginning Dance (fall) ½ unit

Two one-hour periods per week.

18B. Advanced Dance (spring) ½ unit

Two one-hour periods per week.

UPPER DIVISION**†120. Theory of Rhythms (fall) 1 unit**

A study of the dance field. Consideration of all types of rhythmic work for elementary and secondary schools. Educational program possibilities.

One one-hour period per week.

193A. Theory of Athletics (fall) 2 units

Field hockey, soccer, speedball, volleyball, handball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

193B. Theory of Athletics (spring) 2 units

Basketball, softball, tennis, archery.

Prerequisite: Upper division status only.

Two one-hour periods per week.

† Given if sufficient demand.

Courses for Men and Women**LOWER DIVISION**

- 25A, B, C, D. Restricted Activities** (fall, spring) ½ unit
 Limited individual exercise for students who are excused from the regular activity courses. The nature of the work offered will be governed in each case by the recommendation of the College Physician.
 Two one-hour periods per week.
- 26A. Elementary Clog and Tap Dancing** (fall) ½ unit
 Two one-hour periods per week.
- 26B. Intermediate Clog and Tap Dancing** (spring) ½ unit
 Two one-hour periods per week.
- 26C. Tap Club** (fall) ½ unit
 Advanced technique; original numbers required of students; participation in school programs.
 Two one-hour periods per week.
- 27A. Elementary Tennis** (fall, spring) ½ unit
 Two one-hour periods per week.
- 27B. Intermediate Tennis** (fall, spring) ½ unit
 Two one-hour periods per week.
- 27C. Advanced Tennis** (fall, spring) ½ unit
 Two one-hour periods per week.
- 28A. Elementary Archery** (fall, spring) ½ unit
 Two one-hour periods per week.
- 28B. Advanced Archery** (fall, spring) ½ unit
 Two one-hour periods per week.
- 29A. Badminton** (fall, spring) ½ unit
 Badminton, deck tennis, paddle tennis, table tennis.
 Two one-hour periods per week.
- 29B. Advanced Badminton** (fall, spring) ½ unit
 Two one-hour periods per week.
- *30A. Beginning Golf** (fall, spring) ½ unit
 One two-hour period per week.
- *30B. Advanced Golf** (fall, spring) ½ unit
 One two-hour period per week.
- *31. Ballroom Dancing** (spring) ½ unit
 Basic dance techniques; fox trot, waltz, tango, and current routines. Dance etiquette.
 Two one-hour periods per week.
- 32. Rifle Club** (fall, spring) ½ unit
 Two one-hour periods per week.

* Not given 1944-45.

- 33. Folk Dancing** (fall, spring) 1 unit
Two one-hour periods per week.

- *77. Playground Leadership** (fall) 4 units
Designed for partial fulfillment of the requirements for the Playground Leadership Credential. Thorough theoretical background and some practical laboratory experience in playground work.

Three one-hour lecture and one two-hour laboratory periods per week.

UPPER DIVISION

Upper division status is the only prerequisite to the upper division Physical Education courses.

- *151. Applied Kinesiology** (fall) 3 units
Study of the anatomy of muscles, bones, joints and of the nervous system as a basis for understanding bodily movement in exercise and sports.

Three one-hour periods per week.

- *152. Methods in Corrective Physical Education** (spring) 2 units
The principles underlying good body mechanics; the causes, correction, and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program; equipment facilities and procedure; fundamentals and practice of massage. Much of the work is practical.

Prerequisite: Physical Education 151.

Two one-hour periods per week.

- 175. History and Principles of Physical Education** (fall) 3 units
The evaluating of the history of physical education, the weighing of current problems in the field, the setting up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

- 176. Principles of Community Recreation** (spring) 2 units
A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

- 190. Methods in Singing Games and Folk Dances** (fall, spring) 1 unit
Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

Two one-hour periods per week.

- 198. Organization and Administration of Secondary School Physical Education** (fall, spring) 2 units

- 199. Practicum in Physical Education** (fall, spring) 2 units
The organization of the physical education program in grades one through eight.

One class, two activity, and one observation hours per week.

* Not given 1944-45.

DIVISION OF HEALTH AND HYGIENE

A.B. DEGREE

By recent action of the State Department of Education, graduate nurses from accredited nursing schools with three years of training may be granted the Bachelor of Arts degree upon the completion of an approved program of study. For further information, candidates for this degree should consult the Registrar.

MAJOR AND MINOR REQUIREMENTS

For students enrolled in the credential curricula, either a major or a minor is available in the field of Health and Hygiene. The minor may also be selected by students majoring in other departments of the College. The requirements are as follows:

<i>Junior High School Major</i>				<i>Minor</i>			
Lower Division	H.H. 1	-----	2 units	H.H. 1	-----	2 units	
	H.H. 55	-----	2 units	H.H. 55	-----	2 units	
	H.Ec. 20	-----	3 units	H.Ec. 20	-----	3 units	
	Physiol. 1	-----	5 units				
Upper Division	Ed. 111	-----	3 units	Ed. 111	-----	3 units	
	H.Ec. 122	-----	3 units	H.H. 160	-----	3 units	
	P.E. 151	-----	3 units				
	P.E. 152	-----	2 units				
	H.H. 160	-----	3 units				
	Total units required		26 units			13 units	

A liberal arts group major which includes Health and Hygiene may be arranged in consultation with the student's adviser and the Registrar's office. See page 39.

PRE-NURSING

One-Year Curriculum

The one-year pre-nursing program has been outlined to meet the needs of students who wish to take their professional training in one of the nursing schools which require one year of college work as prerequisite to admission.

Recommended Sequence		Sem. 1	Sem. 2
Anatomy 66	-----	3	
Bacteriology 1	-----	5	
Chemistry 2	-----	3	
English 1A	-----		3
Health and Hygiene 1	-----		2
Physical Education Activity	-----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1	-----		5
Psychology 1	-----		3
Orientation 1	-----	1	
Electives	-----	4	3
		16 $\frac{1}{2}$	16 $\frac{1}{2}$

Two-Year Curricula

For a more thorough preparation for a career in nursing, the two-year course is recommended, particularly for those students who look forward to specialization in one of the many nursing fields. A few hospitals, also, require for admission, the completion of two years of college work.

Recommended Sequence			
FRESHMAN YEAR		Sem. 1	Sem. 2
Chemistry 2	-----	3	
English 1A-1B	-----	3	3
Health and Hygiene 1	-----		2
Orientation 1	-----	1	
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1	-----		3
Zoology 1A	-----	4	
Elective	-----	5	8
		<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>
SOPHOMORE YEAR			
Anatomy 66	-----	3	
Bacteriology 1	-----	5	
Home Economics 20	-----		3
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1	-----		5
Pol. Sci. 151	-----	2	
Electives	-----	5	7
		<u>15$\frac{1}{2}$</u>	<u>15$\frac{1}{2}$</u>

Recommended electives: Art 1, Art 3, Art 6, Art 8, Art 20, Biology 103, Commerce 1, Commerce 2, Economics 1A-1B, English 78, Health and Hygiene 160, History 4A-4B, Home Economics 11, Industrial Education 15, Mathematics 40. The selection of electives will be governed, in part at least, by the student's anticipated field of specialization. This is a subject to be discussed with the student's adviser.

Eventual candidates for a Public Health certificate, or students who expect to enter hospitals maintained by the University of California or Stanford University, must plan programs to conform with the requirements of those institutions. In general, the courses outlined below fulfill these requirements.

Recommended Sequence			
FRESHMAN YEAR		Sem. 1 ¹	Sem. 2
Chemistry 1A	-----	5	
English 1A-1B or Speech 1A-1B	-----	3	3
Foreign Language	-----	3	3
Philosophy 6A-6B	-----	3	3
Physical Education	-----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1	-----		5
Psychology 1A-1B	-----	3	3 ¹
		<u>17$\frac{1}{2}$</u>	<u>17$\frac{1}{2}$</u>

¹ Psychology 1B is not offered at Humboldt. It may be taken by extension from the University of California.

SOPHOMORE YEAR

Anatomy 66	3	
Bacteriology 1	5	
Economics 1A-1B	3	3
Foreign Language ¹	3-5	3-5
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151		2
Elective	2 or 0	8 or 6
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

DESCRIPTION OF COURSE

LOWER DIVISION

1. Hygiene (fall, spring) **2 units**

An informal course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

50. Home Nursing (fall, spring) **2 units**

Students completing this course and passing the examination will be granted the Red Cross Home Nursing Certificate.

Two one-hour periods per week.

55. First Aid (fall, spring) **2 units**

This course conforms to the standards of the American Red Cross. Lectures, practical demonstrations, and practice periods. Those passing the written tests and practical demonstrations will receive the Standard and Advanced Red Cross First Aid Certificates.

Two one-hour periods per week.

***160. Public Health** **3 units**

A survey of the field of public health, including disease prevention and control; the social, medical, and economic aspects of sickness and disability, with special emphasis on administrative programs of federal, state, and local health agencies.

Three one-hour periods per week.

RELATED COURSES IN OTHER DEPARTMENTS

Anatomy 66 (Human Anatomy)	3 units
Bacteriology 1 (General Bacteriology)	5 units
Biology 103 (Micro-Technique)	2 or 3 units
Education 111 (Child Growth and Development)	3 units
Home Economics 20 (Elementary Nutrition and Foods)	3 units
Home Economics 122 (Nutrition Work with Children)	3 units
Physical Education 151 (Applied Kinesiology)	3 units
Physical Education 152 (Methods in Corrective Physical Education)	2 units
Physiology 1 (Elementary Physiology)	5 units

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

¹ If necessary to meet requirements.

* Not given 1944-45.

SOCIAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ECONOMICS AND BUSINESS

LOWER DIVISION

	<i>Units</i>
Commerce and Economics-----	18
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences-----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 41.)	
English	
1A-1B (Composition and Literature)-----	6
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology)-----	3
Social Sciences (in addition to Economics)-----	6
History 4A-4B (History of Western Civilization)-----	6

UPPER DIVISION

Commerce and Economics-----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government)-----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 42, and must maintain a scholarship average of C in the major.

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SOCIAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Social Sciences-----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences-----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 41.)	
English	
1A-1B (Composition and Literature)-----	6
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology)-----	3

UPPER DIVISION

Social Sciences ----- Units
24

(See tabulation of major requirements below.)

Political Science

151 (American Constitutional Government) ----- 2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 42, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN
SOCIAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Social Sciences, with these additional requirements:

(a) Foreign Languages ----- 10 units

(In not more than two languages. Each year of high school foreign language may be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)

(b) Education (upper division) ----- 6 units

(c) One of the minors must be completed in a subject field taught in high school.

(d) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See p. 39.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major in Social Sciences</i>		<i>Liberal Arts Major in Economics and Business</i>	
Lower Division--	Economics 1A-1B-----	6 units	Commerce	
	History 4A-4B-----	6 units	Com. 14A-14B-----	6 units
			Com. 40-----	3 units
			Economics	
			Econ. 1A-1B-----	6 units
			Econ. 40-----	3 units
Upper Division--	U.D. Economics-----	9 units	Commerce	
	U.D. History-----	9 units	Com. 130-----	3 units
	Additional U.D. Social Science	6 units	Com. 134-----	3 units
			Economics	
			Econ. 113-----	3 units
			Econ. 120-----	3 units
			Econ. 134-----	3 units
			Econ. 135-----	3 units
			Econ. 150 or 151-----	3 units
			Econ. 188 or 195-----	3 units
Total units required-----		36 units		42 units

Junior High School Majors

Lower Division-----	Economics 1A-1B -----	6 units		
	History 4A-4B -----	6 units		
Upper Division-----	U. D. Econ....12 units	U. D. Hist....12 units	U. D. Econ....6 units	U. D. Hist....6 units
Total units required---	24 units	24 units	24 units	

	Economics	Minors History	Social Science
Lower Division-----	Econ. 1A-1B...6 units	Hist. 4A-4B...6 units	Econ. 1A-1B...6 units Hist. 4A-4B...6 units
Upper Division-----	U. D. Econ....6 units	U. D. Hist....6 units	U. D. Econ....3 units U. D. Hist....3 units
Total units required---	12 units	12 units	18 units

DESCRIPTION OF COURSES

Economics

LOWER DIVISION

1A-1B. Principles of Economics (year) 3-3 units

First semester: The evolution of modern capitalistic industry; business organization and control; money; banking; and international trade.

Second semester: The economic laws of value, price, and of the distribution of wealth and income; problems of government finance, labor, and economic reform.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

See Commerce 14A-14B. (May not count as part of the 12 units in Social Science required by the State).

***40. Elementary Statistical Methods (spring) 3 units**

See Mathematics 40.

UPPER DIVISION

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor. The upper division courses to be given during 1944-1945 will be determined by the needs and requests of the students.

113. Economic and Social History of the United States (spring) 3 units

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

120. Business Organization (spring) 3 units

The practical problems of organization, control, and management of private enterprise; and the relation of the government to business; emphasis on instruments and methods of financing.

Three one-hour periods per week.

123. Marketing (spring)**3 units**

See Commerce 134.

135. Principles of Money and Banking (fall)**3 units**

The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.

Three one-hour periods per week.

150. Labor Economics (fall)**3 units**

A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.

Three one-hour periods per week.

151. Social Security in the United States (spring)**3 units**

The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.

Three one-hour periods per week.

188. World Population and Resources (spring)**3 units**

Distribution of the world's population and resources and their relationship in terms of economic welfare; areas of population pressure; measures for economic cooperation in the interests of world peace.

Three one-hour periods per week.

195. Principles of International Commerce (spring)**3 units**

The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; international debts; government control and direction of international trade.

Three one-hour periods per week.

Geography

1. Physical Geography (fall)*3 units**

The nature of maps; weather and the climates of the world; natural vegetation; soils; land forms; water resources; the seas and their coasts; minerals.

Three one-hour periods per week.

2. Human Geography (fall, spring)**2 or 3 units**

The physical environment as the home of man; the adjustments between population groups and the areas where they live; regional differences and their causes.

Two one-hour periods per week for 2 units. Students planning to transfer to the School of Business Administration at the University of California may obtain an additional unit of credit by doing outside independent study assigned by the instructor.

* Not given 1944-45.

History**4A-4B. History of Western Civilization (year) 3-3 units**

A rapid survey of the political, economic, social, religious, and cultural development of western civilizations from ancient times to the present.

First semester: From ancient times to 17th century.

Second semester: From 17th century to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

70. History of the United States (spring) 3 units

A rapid survey from colonial times to the present. Development of the major political and social institutions of the American people; economic development; sectionalism; expansion.

Three one-hour periods per week.

UPPER DIVISION

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor.

***146. Europe since 1870 (fall) 3 units**

The political, economic, and social development of pre-war Europe; pre-war diplomacy and causes of the World War; the World War; post-war developments in the several European states; international relations; present cultural status.

Three one-hour periods per week.

***149. History of Russia (spring) 3 units**

The internal developments and the foreign relations of Russia from the time of Peter the Great down to the present.

Three one-hour periods per week.

***167. The Foreign Relations of the United States (fall) 3 units**

The foreign policy of the United States in the 19th century; the rise of the United States to a position of world power and the problems and changes growing out of this new position.

Three one-hour periods per week.

179. The United States on the Pacific (spring) 3 units

Establishment of American settlement and rule on the Pacific slope of North America and in the islands of the Pacific; role of the United States as a modern Pacific power.

Three one-hour periods per week.

***189. History of the Pacific Coast (fall) 3 units**

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

* Not given 1944-45.

Political Science

151. American Constitutional Government (fall, spring) 2 units

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

SPEECH AND DRAMATICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SPEECH AND DRAMATICS

LOWER DIVISION

	<i>Units</i>
Speech -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 41.)	
English -----	12
1A-1B (Composition and Literature) -----	6
56A-56B (Survey of English Literature) -----	6
Foreign language -----	10
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of this requirement may be satisfied by upper division courses.)	
Philosophy -----	
6A-6B (Introduction to Philosophy) -----	6
Physical Education -----	
Activities (to include approved courses in dancing) -----	2
Psychology -----	
1 (General Psychology) -----	3
Social Sciences -----	12
Econ. 1A-1B (Principles of Economics) -----	6
Hist. 4A-4B (History of Western Civilization) -----	6
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics, or History 4A-4B plus six units of upper division History.)	

UPPER DIVISION

Speech -----	18
(See tabulation of major requirements on next page.)	
English -----	6
(Consult Speech Department concerning choice of courses.)	
Education -----	6
Political Science -----	
151 (American Constitutional Government) -----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 42, and must maintain a scholarship average of C.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SPEECH AND DRAMATICS

The requirements for this degree are the same as those for the liberal arts A.B. degree in Speech and Dramatics, with these additional requirements:

- (a) One of the minors must be completed in a subject field taught in high school.
- (b) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 40.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Speech 1A-1B--6 units 6 units chosen from: Speech 2A-2B--6 units Speech 10-----3 units Speech 17-----3 units Speech 18-----1 unit Speech 25--1 to 4 units	Speech 1A-----3 units Speech 2A-----3 units 6 units chosen from: Speech 1B-----3 units Speech 2B-----3 units Speech 10-----3 units Speech 17-----3 units Speech 18-----1 unit Speech 25--1 to 6 units Speech 80--1 or 2 units	6 units of L. D. Speech
Upper Division-----	Speech 112-----3 units Speech 120A-----3 units Speech 155A- 155B-----6 units Speech 117, 118, 180, 181, (two courses) -----6 units English-----6 units (To be chosen in con- sultation with Speech Department.)	Speech 112-----3 units Speech 155A-----3 units Speech 117, 118, 180, 181, (two courses) -----6 units	6 units of U. D. Speech
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Public Speaking (fall, spring) 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. Public Speaking (spring) 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice in extemporaneous speaking.

Prerequisite: Speech 1A.

Three one-hour periods per week.

2A. Expression and Interpretation (fall, spring) 3 units

A basic course in voice training and in the art of oral interpretation. Oral interpretation of poetry, short stories, and dramatic scenes from the standpoint of both emotional and intellectual reaction.

Three one-hour periods per week.

2B. Expression and Interpretation (fall, spring) 3 units

Continuation of Speech 2A but with particular attention to the specific needs and abilities of the individual student, which determine his activities in class. Particular attention is given to the needs of prospective teachers with respect to reading aloud in the classroom.

Prerequisite: Speech 2A.

Three one-hour periods per week.

10. Technique of Acting (fall) 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Two two-hour periods per week.

***17. Radio Production (fall, spring) 3 units**

Study of and practice in the fundamentals and techniques of radio production and radio speech. Each student will participate in diversified radio presentations given in the studio of the local radio station.

Two one-hour class periods and one two-hour laboratory period per week.

18A, B, C, D. Radio Workshop (fall, spring) 1 unit

Students in this course are responsible for the College's radio programs presented over the local radio station. They write, direct, produce, enact, and announce the programs. Though the emphasis is on learning by doing, the student is encouraged to explore the literature on those aspects of radio which particularly interest him.

Two one-hour periods per week and work in the radio studios.

25A, B, C, D. Dramatic Workshop (fall, spring) 1 or 2 units

A laboratory course in acting and in the technical practices of the stage, including construction of sets, stage lighting, theatrical costume and make-up. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance.

Three two-hour periods per week.

80. Speech Clinic (fall, spring) ½ unit

Individual instruction for students having minor disturbances of voice or speech as well as those having more serious disorders. Consent of the instructor must be obtained for enrollment.

Two half-hour periods per week.

UPPER DIVISION**112. Phonetics (fall) 3 units**

Principles of phonetics; pronunciation, based on contemporary American usage; phonetic analysis applied to speech improvement.

Three one-hour periods per week.

* Not given 1944-45.

117. Advanced Radio Production (fall, spring) **3 units**

A continuation of Speech 17, with opportunity for each student to center his activities in one or more of the following fields of radio: speech, dramatic production, writing, advertising, organization.

Two one-hour class periods and one two-hour laboratory period per week.

118A, B, C, D. Advanced Radio Workshop (fall, spring) **1 unit**

A course of the same character as Speech 18 for advanced students. Prerequisite: Speech 18 or consent of the instructor.

Two one-hour periods per week and work in the radio studios.

***120A. Advanced Dramatics** (fall, spring) **3 units**

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Two two-hour periods per week.

125A, B, C, D. Advanced Dramatic Workshop (fall, spring) **1 or 2 units**

A course of the same character as Speech 25 for advanced students. Prerequisite: Speech 1A-1B or consent of the instructor.

Three two-hour periods per week.

155A. Play Production (fall) **3 units**

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. Play Production (spring) **3 units**

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

***180. Speech Correction** (fall) **3 units**

The classification, diagnosis, and treatment of speech defects. Theory supplemented by demonstrations and supervised practical work with children and adults in the speech clinic. Intended particularly for training prospective teachers to recognize and correct speech defects of elementary school children.

Three one-hour class periods and one two-hour laboratory period per week.

199. Directed Study in Speech Problems (fall, spring) **1-3 units**

Student assists in speech training. Consent of instructor required for enrollment.

Hours to be arranged with the instructor.

DIRECTORY OF PERSONNEL HUMBOLDT STATE COLLEGE

Administered through the
STATE DEPARTMENT OF EDUCATION

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-----Superintendent of Public Instruction and Director of Education
DR. JOEL A. BURKMAN-----Assistant Director of Education

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NOAH A. STROMBERG, D.D.S.	College Dentist
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EMMALENA W. THOMSON	Acting Secretary to the President
ILENE JENSEN	Secretary to the Director of Teacher Training
MARGARET BROOKINS	Comptroller of Student Accounts
CAROL HIXON	Assistant Financial Secretary

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An incorporated body to obtain necessary property for the State and to serve in an advisory capacity for the College

J. J. KROHN, President

ARTHUR S. GIST, Secretary

S. D. CERINI

VERNON L. HUNT

CHESTER CONNICK

ROBERT W. MATTHEWS

H. L. RICKS

* On leave of absence, 1944-45.

FACULTY

GIST, ARTHUR S., M.A.

PRESIDENT

B.Ed., M.A., University of Washington; additional graduate study, University of California, Columbia University. Director Teacher Training, San Francisco State Teachers College; Summer Session Faculty, University of Washington, University of Utah, George Peabody College for Teachers, University of California, University of Southern California, University of Texas, Syracuse University. Author: "Elementary School Supervision"; "Administration of an Elementary School"; "Clarifying the Teacher's Problems"; "Administration of Supervision"; "The Teaching and Supervision of Reading" (co-author); "New Stories from Eskimo Land" (co-author). Editor of Yearbooks, Department of Elementary School Principals, National Educational Association.

ARNOLD, HOMER L., M.A.

PROFESSOR OF MATHEMATICS AND PHILOSOPHY.

B.S., Indiana State Teachers College (Eastern Division); A.B., University of Indiana; M.A., University of Chicago; additional graduate study, University of Chicago, Stanford University, University of Michigan. Head of Department of Mathematics, Central High School, Elkhart, Indiana; teacher of mathematics, Central High School, Kalamazoo, Michigan, and Central Union High School, Calumet-Laurium, Michigan; Head of Department of Education and Psychology, New Mexico State Teachers College.

BALABANIS, HOMER P., Ph.D.

VICE-PRESIDENT AND PROFESSOR OF ECONOMICS

Ph.B., M.A., University of Chicago; Ph.D., Stanford University. Assistant, School of Commerce and Administration, University of Chicago; Teaching Assistant, Department of Economics, Stanford University; Summer Session Faculty, San Jose State College, Fresno State College, Miami University (Ohio); Director of Summer Session, Humboldt State College. Author: "The American Discount Market," "Travel Sketches of Europe."

DICKSON, BELLE L., M.A.

ASSISTANT PROFESSOR OF EDUCATION

Graduate, Cheney State Normal School, Cheney, Washington; A.B., University of Washington; M.A., University of Chicago; additional graduate study, University of Chicago, University of Washington. Teacher in elementary schools; teacher of geography and elementary science, platoon school, Spokane, Washington. Author: "Plans and Activities for the Primary Grades," "Activities in Progressive Education."

EVERETT, HELEN A., M.A.

ASSISTANT LIBRARIAN

A.B., University of Oregon; Certificate of Librarianship and M.A., University of California. Teacher in Bandon and Eugene high schools, Oregon, and University of Oregon; Library assistant, Universities of Oregon and California; Acting Librarian, Southern Oregon College of Education; Librarian, Marshfield High School, Oregon; School Library Supervisor, Medford, Oregon.

FISHER, RAYMOND H., Ph.D.

ASSOCIATE PROFESSOR OF HISTORY

B.A., M.A., Ph.D., University of California; undergraduate study, Yale University; Russian Language School, Summer Session, Columbia University. Teaching assistant, Department of History, University of California. Author: "Russian Fur Trade, 1550-1700."

FULKERSON, CHARLES E., A.B.

INSTRUCTOR IN MUSIC

A.B., San Jose State College. Piano study under Tamara Morgan and Benning Dexter; study under Gastone Usigli.

GARVIN, HELEN M., M.A.

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A.B., College of Pacific; M.A., Mills College; additional training, Northwestern University, Oberlin Observatory, Eastman School of Music, University of Oregon, Chicago Musical College. Supervisor of Music, public schools, Pittsburgh, Pa., Duluth, Minn., Modesto, California. Instructor in Music and Supervisor of Music Student Teachers, Mills College.

GRAVES, C. EDWARD, A.B.

LIBRARIAN

A.B., Wesleyan University, Connecticut; New York State Library School. Instructor, Wesleyan University; Assistant, University of Illinois Library; Librarian, Minnesota Historical Society.

*GRIFFITH, HARRY E., M.A.

PROFESSOR OF PHYSICAL EDUCATION

Ed.B., University of California at Los Angeles; M.A., University of California at Berkeley; additional graduate study at Claremont Colleges. Instructor in Physical Education, Central Junior High School, Riverside, California; Instructor in Physical Education and Head of Department, Riverside Junior College and High School; Summer Session Instructor in Physical Education, University of California at Los Angeles.

HADLEY, MONICA W., M.S.

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B.S., M.S., University of Washington; additional study, University of Southern California; special work in Body Mechanics at Children's Orthopedic Hospital, Los Angeles, California. Assistant in Recreational and Intramural Sports, St. Nicholas School for Girls, Seattle, Washington; Teaching Fellow in Physical Education, University of Washington.

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A.B., Vassar College; M.A. and Ph.D., Stanford University; graduate study at Universities of Colorado and Wisconsin. Assistant in Economics, Vassar College; Assistant in Political Science, Stanford University. Associate Professor of Economics and Government, Hollins College, Virginia; instructor in Extension Department, University of Colorado; Acting Associate Professor of Political Science and Instructor in Extension Division, New Mexico State Teachers College, Silver City, New Mexico.

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A.B., University of Missouri; B.J., School of Journalism, University of Missouri; M.A., Stanford University. Graduate teaching assistant, University of Missouri; Instructor, University of Washington; Graduate teaching assistant, Stanford University; Summer Session Faculty, University of California at Los Angeles.

*HUNTER, JAMES J., Ph.D.

ASSOCIATE PROFESSOR OF EDUCATION AND PSYCHOLOGY

A.B., Cornell University; M.S., Ph.D., Syracuse University; additional graduate study at New York State College for Teachers, Albany, N. Y., and Syracuse University. Teacher and administrator in the public schools of New York. Graduate Fellow and Instructor, School of Education, Syracuse University; summer session faculty, College of Business Administration and School of Business, Syracuse University; Associate Director of Teacher-Training and Lecturer in Education, School of Education, Syracuse University.

JEFFERS, EDMUND V., Ph.D.

ASSOCIATE PROFESSOR OF MUSIC

B. Mus. Ed., Illinois Wesleyan University; M. Mus., Bush Conservatory of Music; Ph.D., Columbia University. Graduate study with Theodore Harrison, Jeanne Boyd, Father Wm. J. Finn, Blanche Blackman, Louise Hayden.

* On leave 1944-45.

JEFFERS, HAZEL, B.Mus.

ASSISTANT PROFESSOR

B.Mus., Illinois Wesleyan University. Student of piano under Edmund Munger. Music and Art Supervisor in East McKeesport, Pa., Secretary, International Congress on Education for Democracy, Columbia University.

JENKINS, R. HORACE, M.S.

PROFESSOR OF INDUSTRIAL EDUCATION

B.S. and M.S., Oregon State College; Graduate, Central State Teachers College, Oklahoma, four year Classical Course and three-year Art and Shop Course; additional study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University. Assistant in Art, Oklahoma State Teachers College; practical experience in trades and industries; experience as owner and manager of a commercial pottery shop.

JOHNSON, ADELLA, M.A.

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A.B., University of Minnesota; M.A. University of Washington; additional graduate study, University of Washington, Stanford University, Columbia University, University of Minnesota, University of California, University of Paris, France, Mills College. Travel in Europe with Intercollegiate French School. Teaching Fellow in French, University of Washington; Department head, Foreign Languages, State Teachers College, Spearfish, South Dakota.

*KARSHNER, DON W., A.B.

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A.B., Washington State College; graduate study, Washington State College, Stanford University. Teacher in public secondary schools of Aberdeen and Seattle, Washington; Teaching Fellow in Stanford Language Arts Investigation; Instructor, Menlo School and Junior College, Menlo Park, California.

LANPHERE, WILLIAM M., Ph.D.

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B.S., M.S., and Ph.D., University of Washington. Teaching Fellow and Associate in Biological Science, University of Washington; Instructor, Western Washington College of Education.

LITTLE, STELLA SANKEY, M.A.

PROFESSOR OF ART

A.B., Stanford University; graduate study, Stanford University, University of California; study of masterpieces in art in various art galleries of Europe; M.A., and Fine Arts Supervision Certificate, Columbia University; Summer Session, Eugene, and Post Session, Alaska, University of Oregon; Summer Session, University of Oregon. Summer faculty in Art, San Jose State Teachers College; Instructor in Art, Stanford University.

*MACGINITIE, HARRY D., Ph.D.

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A.B., Fresno State College; Ph.D., University of California. Member of Sigma Xi, Paleontological Society of America, National Research Council; Associate Geologist, United States Geological Survey; Research Associate in Paleobotany, Carnegie Institution, Washington, D. C. Author: "The Trout Creek Flora of Southeastern Oregon," "Fossil Flora and Geology of the Weaverville Beds in Trinity County, California," and "The Chalk Creek Bluffs Flora of Nevada County, California."

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A.B., San Jose State College; graduate study, University of California. Instructor in Physical Education, Marysville, Williams, and Eureka high schools. European travel.

MCKITTRICK, MYRTLE M., A.B.

REGISTRAR AND PLACEMENT SECRETARY

A.B., Willamette University; graduate study, University of Washington. Experience as high school teacher, principal and secretary.

* On leave of absence, 1944-45.

*MURPHY, GEORGE E., M.A.

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A.B., Valley City State Teachers College, North Dakota; M.A., Stanford University; additional graduate study, Universities of Minnesota, Montana, and Washington. Teacher in the public schools of North Dakota and Washington; Teaching Fellow, Stanford Language Arts Investigation; Instructor, Menlo Junior College, Menlo Park, California.

*MURPHY, NELLIE APPY, M.A.

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A.B., Whitman College, Washington; M.A., University of Washington; additional graduate study, Stanford University. Teacher in the public schools of Washington; participant in Stanford Language Arts Investigation; staff member, Des Moines Public School Workshop; instructor, University of Oregon Summer Session.

PLATT, IMOGENE B., M.A.

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A.B., M.A., University of Washington; graduate study, Stanford University. Registrar, Humboldt State Teachers College.

ROMERO, DOROTHY E., M.A.

ASSISTANT PROFESSOR OF EDUCATION AND PSYCHOLOGY

A.B., University of Maine; M.A., University of Michigan; additional study, University of California. Assistant Psychometrician, University Elementary School, University of Michigan; Counselor-teacher, W. K. Kellogg Foundation Camp School, Battle Creek, Michigan; Summer Session Demonstration Teacher, Central State Teachers College, Mt. Pleasant, Michigan, and State Teachers College, Mankato, Minnesota; Instructor in Education and Assistant Supervisor in College Elementary School, State Teachers College, Mankato, Minnesota.

STONER, MURIEL, M.A.

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A.B., M.A., Mills College. Home Economics, McClatchy Senior High School, Sacramento, California.

TELONICHER, FRED, A.B.

ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCE

A.B., Fresno State College; graduate study, Stanford University; European travel.

VAN DUZER, JOHN, M.A.

ASSISTANT PROFESSOR OF SPEECH AND DRAMA

A.B., Humboldt State College; M.A., University of Southern California; Diploma in Piano, College of the Pacific; Study at Eastman School of Music, Rochester, N. Y., two years; study in stage design at Eastman Theater, Rochester, N. Y.; graduate study, Stanford University.

WILSON, BERT F., M.A.

PROFESSOR OF COMMERCE

B.Acctg., M.Accts., B.S., (Iowa); M.A., Stanford University; member Stanford Chapter, Phi Delta Kappa; graduate study, Universities of California, Southern California, and Washington. Principal, Commercial Institute, Shenandoah, Iowa; principal California secondary schools; ten years' experience as bank cashier.

WOODCOCK, JESSIE TURNER

FINANCIAL SECRETARY

Graduate Humboldt State Teachers College. Postal clerk; book-keeper.

* On leave of absence, 1944-45.

Part-time Instructors

BOWERSOX, JOHN M., M.S. ASSISTANT PROFESSOR OF PHYSICAL SCIENCE
B.S. and M.S., Oregon State College; additional study, University of California, Claremont Colleges, Mills College. Instructor, Bend High School (Oregon), Fortuna High School, Eureka City Schools, Director of Adult Education:

FULKERSON, JEAN C., A.B. INSTRUCTOR IN VIOLONCELLO
A.B., San Jose State College. Study with Michel Penha and the late Willem Dehe. Instructor in music, Monterey High School California.

JACKSON, ROWENA FAYE INSTRUCTOR IN PIANO
Studied piano and harmony with Katherine A. Rood and Hans Bruening; studied pipe-organ, piano and composition with Dr. Clarence E. Shepard; graduate Grafton Hall School of Music. Graduate teacher in normal methods in piano and harmony, Carrol College; for ten years assistant to Dr. Clarence Shepard at Grafton Hall with classes accredited at University of Wisconsin in piano, harmony, history of music and music analysis; teacher of private classes in piano, pipe-organ harmony; accredited high school teacher of piano in California.

KARSHNER, GAYLE B., A.B. INSTRUCTOR IN SPEECH
A.B., University of Oregon. Graduate work at Stanford University, Claremont Colleges. Resident Assistant, Stanford University; Assistantship, Claremont Colleges.

LANPHERE, HORTENSE M., M.S. LECTURER IN BIOLOGICAL SCIENCE
B.S., M.S., University of Washington. Teaching Fellow in Zoology, University of Washington.

Teachers in the College Elementary School

ELMORE, WARRENE, A.B.
HAGNE, HAZEL, A.B.

KELLENBERGER, ELEANOR, A.B.
WILSON, SUSAN, A.B.

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President Gist
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Mr. Arnold
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Mrs. Hadley
Mr. Van Duzer
President Gist
Miss Romero
Mr. Telonicher

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Music	Mr. Charles Fulkerson
Physical Education	Mrs. Monica Hadley
Social Sciences	Dr. Raymond Fisher
Speech and Dramatics	Mr. John Van Duzer

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*Bring this catalog with you
when you come to register*

C 12 mh H
1945/46

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HUMBOLDT STATE COLLEGE

"IN THE REDWOOD EMPIRE"

ARCATA
CALIFORNIA

VOL. XXX JUNE 1, 1945 NO. 4

HUMBOLDT STATE COLLEGE
» » BULLETIN « «

Volume XXX, No. 4

June 1, 1945

CIRCULAR OF INFORMATION
. . . AND . . .
ANNOUNCEMENT OF COURSES
COLLEGE YEAR, 1945-1946.

A STATE COLLEGE FOR THE TRAINING
OF TEACHERS FOR THE PUBLIC SCHOOLS
AND FOR GENERAL COLLEGE WORK

THE LIBRARY OF THE
JUL 19 1945
UNIVERSITY OF ILLINOIS

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Published four times annually in the months of February,
April, May, and June



ADMINISTRATION BUILDING

1945

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ACADEMIC CALENDAR, 1945-46

Fall Semester, 1945

REGISTRATION PERIOD	Tuesday and Wednesday, September 11 and 12
Language Arts Tests	Tuesday, 9 a.m.
College Aptitude Test	Tuesday, 2 p.m.
Registration of—	
Sophomores	Tuesday, 9 a.m. to 12 m.
Seniors and 2d-semester Freshmen	Tuesday, 1 to 4 p.m.
Juniors	Wednesday, 9 a.m. to 12 m.
1st-semester Freshmen	Wednesday, 9 a.m. to 4 p.m.
INSTRUCTION BEGINS	Thursday, September 13
Last day for program changes	Friday, October 12
Mid-term warning notices	Friday, November 9
ARMISTICE DAY	Monday, November 12
THANKSGIVING RECESS	Thursday-Sunday, November 22-25
CHRISTMAS HOLIDAYS	Thursday, December 20 through Tuesday, January 1
SEMESTER EXAMINATIONS	Saturday, Monday, Tuesday and Wednesday, January 19, 21, 22, and 23

Spring Semester, 1946

REGISTRATION PERIOD	Monday and Tuesday, January 28 and 29
Language Arts Tests	Monday, 9 a.m.
College Aptitude Test	Monday, 2 p.m.
Registration of—	
Sophomores	Monday, 9 a.m. to 12 m.
Seniors and 2d-semester Freshmen	Monday, 1 to 4 p.m.
Juniors	Tuesday, 9 a.m. to 12 m.
1st-semester Freshmen	Tuesday, 1 to 4 p.m.
INSTRUCTION BEGINS	Wednesday, January 30
Last day for program changes	Friday, February 22
Mid-term warning notices	Friday, March 29
SPRING VACATION	Saturday, April 13 through Sunday, April 21
MEMORIAL DAY	Thursday, May 30
SEMESTER EXAMINATIONS	Friday, Saturday, Monday, and Tuesday, May 31, June 1, 3, and 4
COMMENCEMENT	Friday, June 7

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NOTE TO THE PROSPECTIVE STUDENT

A Word about the College

Humboldt State College offers the prospective student several advantages and attractions. Despite its small size it can meet a considerable variety of educational needs. For those who look to teaching as a career the College provides sound and modern courses of training for the kindergarten through the junior high school levels. For those who desire a cultural education it offers the basic studies in the humanities and sciences. For those embarking upon a particular professional career it offers the studies necessary as groundwork and background. For those wishing to enter the business world it provides both practical training courses and a liberal arts curriculum in business.

Besides these educational facilities, which are the primary function of any college or university, the College affords a congenial dormitory life, an athletic program that gives opportunity to the experienced and inexperienced alike, and a natural environment that is not bettered anywhere in the state for scenery and opportunities for outdoor life. And lastly, though not least, because of its small size the College affords opportunity for students and faculty both to become acquainted with one another to a degree not possible in large schools.

In cooperation with Federal and State agencies, Humboldt State College offers to veterans of World War II an opportunity to pursue an educational program under highly favorable circumstances. Those eligible to receive Government aid should consult representatives of the Veterans Bureau and the college authorities regarding enrollment.

A Word about this Catalog

This catalog is your introduction to the purposes and work of Humboldt State College. In it we have sought to put all the information necessary in order for you to know what courses of study the College offers and how the College and its student body are organized and function. Careful study of it will enable you to find your way about amidst the necessary curricular requirements and regulations with a minimum of assistance. An extensive table of contents in the front of the catalog is intended to help you find whatever you wish or need to know.

Acquaintance with some matters you can leave until after you have become well established in the College, but with certain parts of this catalog you should familiarize yourself as soon as you have decided to enter the College, namely:

(1) *How you enter the College.* The requirements and procedure for entrance and registration in the College are told in the section titled "Admission to the College." The procedure for enrolling in classes is specified under "Academic Regulations."

(2) *What rules and regulations you are subject to once you are in the College.* Those rules and regulations applying to all students are found in the section "Academic Regulations." All students are held responsible for a knowledge of them. Those requirements referring to particular curricula are found under "Degrees, Credentials, and Curricula."

(3) *What courses of study you wish to follow.* The several groupings of curricula you will find outlined and described under "Degrees, Credentials, and Curricula." Specific curricula are detailed under the various departments in the section "Courses of Instruction." A system of cross references to pages in both sections should enable you to find your information readily. The explanatory note at the beginning of the section "Courses of Instruction" is called to your attention.

(4) *What your expenses will be.* Expenses and the fees charged by the College and student body are listed under "Fees and Expenses." They are payable at the time of registration. Living expenses vary with the individual, but as a rule they are not high in Arcata. Living arrangements are discussed under "Student Life." Those students seeking financial assistance will find a few scholarships listed in the section "Student Life" and directions for seeking employment or temporary loans under "Fees and Expenses."

If, despite our best efforts, certain requirements or regulations are not entirely clear, feel free to communicate with the Office of the Registrar of the College, or if you can, personally visit us.

Meanwhile we invite you to come to Humboldt and hope we can welcome you here when the new semester opens.

THE PRESIDENT AND FACULTY
OF HUMBOLDT STATE COLLEGE

THE COLLEGE

LOCATION

Humboldt State College is located in the town of Arcata, which is situated on the north shore of Humboldt Bay in northern California. Backed by high forested hills, the College occupies a conspicuous position on the top of a hill, about a mile from the center of town. It commands an unrestricted panorama of forested mountains, bay, dairy and farm lands, sand dunes, Pacific Ocean, and at night the lights of Arcata, Eureka, and Samoa.

Arcata, the first town to be established in northwestern California, is located on the famous Redwood Highway eight miles north of Eureka and 300 miles north of San Francisco. It is reached by the Northwestern Pacific Railroad and Pacific Greyhound Lines. It has a population of approximately three thousand. Lumbering, box manufacturing, and dairying form the basis of the business life of the community. Eureka nearby is a thriving city of about twenty thousand people. It is the county seat of Humboldt County and is the site of a woolen mill and several lumber mills. About fifty miles south of Eureka is Cape Mendocino, the westernmost point of the mainland of California. Humboldt State College holds the distinction of being the college farthest west in the United States.

The climate of the Humboldt Bay region, though moist, is stimulating and equable, the extremes of heat and cold being absent. Summer and fall are particularly delightful seasons.

PHYSICAL EQUIPMENT

Campus and Buildings

The physical plant of the College comprises a compact group of buildings and athletic facilities, appropriately landscaped. The main building, a rectangular two-story structure surrounding an inner court, houses the administrative offices, faculty offices, classrooms, library, student social unit, and auditorium. Adjacent to the main building are the original normal school buildings, used today for a variety of purposes. In the rear are a modern gymnasium and athletic field, on which has been erected one of the finest commando courses in

the State. In front, across the street from the main building, are four tennis courts for use of the students and faculty. Not far from the main building is Nelson Hall, a modern dormitory named in honor of State Senator Hans C. Nelson, who contributed much to the development of the College. It includes a well-equipped dining commons. A small greenhouse, a fish hatchery, and game-bird breeding pens make up the remaining physical facilities of the College.

Back of the athletic field and gymnasium the College owns a large tract of second-growth redwood forest, in which have been cut a number of trails and clearings for purposes of recreation and botanical study.

Library

The library, situated off the south end of the inner court, contains some twenty thousand volumes. Though not large, this collection is well distributed as to subject matter, including recreational reading, and is constantly being added to. Its periodical list contains nearly one hundred and fifty titles, about half of which are scientific and professional and the rest of general nature. For many of the titles which the library does not possess it draws upon the collection of the California State Library, with which it has a borrowing arrangement. If desired, the library will also borrow, at a small expense charge, from the great collection of the library of the University of California at Berkeley. The library requirements of a small college are thus met in adequate fashion.

College Elementary School

The College maintains an elementary school on the campus, a short distance from the main building. It is here, as well as in the schools of Eureka and Arcata, through the cooperation of their school authorities, that the student teaching by the teaching credential candidates is conducted.

The College Elementary School extends from the kindergarten through the eighth grade and is housed in a commodious and modern building of reinforced concrete. Adjacent to the building are large fenced-in playfields.

HISTORICAL NOTE

Humboldt State College is one of the six California state colleges, which have developed out of the old state normal schools. The original Humboldt State Normal School was established in 1913 by an act of the Legislature. Actual instruction began on April 6, 1914, the first class sessions being held in the Arcata Grammar School under an agreement between the Board of Education of Arcata and the normal school authorities.

The fine site of the College was donated by William A. Preston and the Union Water Company, whose officers were Noah H. Falk, Len Yocom, Mrs. Arthur Way, and Mrs. Kate Harpst. By January, 1915, temporary wooden buildings were constructed and ready for occupancy. In 1917 the Legislature appropriated \$245,000 for the permanent main building, which has been in use since February, 1922. A \$70,000 gymnasium was added in 1930 and the four tennis courts and the College Elementary School in 1933. In 1941, Nelson Hall, a dormitory for men and women, was erected at a cost of \$195,000. This building was named for Honorable Hans Nelson of Eureka, who introduced the original bill in the Legislature for the establishment of the College. Nelson Hall also houses the College Commons.

The professional curriculum in teacher training originally required two years to complete. Gradually it was extended and broadened to include many of the liberal arts and the sciences, so that today at least four years must be spent to complete any teacher credential curriculum offered by the College.

Control of the institution was first vested in a local board of trustees, appointed by the Governor. In 1921 control was transferred to the State Department of Education and the College placed in the hands of the Director of Education and the State Board of Education. The Legislature at the same time changed all of the Normal Schools to State Teachers Colleges, and authorized the State Board of Education to grant the Bachelor of Arts degree in Education. In 1935 the Legislature changed the name to Humboldt State College and authorized the granting by the College of the Bachelor of Arts degree in the liberal arts. Thus the College now functions as a teacher training institution and as a regional college.

STUDENT LIFE

LIVING ACCOMMODATIONS

Living quarters for students in attendance at the College are available in Nelson Hall, a modern dormitory, operated by the College under the supervision of the Head Residents and the President. It accommodates 30 women and 35 men in a congenial and comfortable environment.

All rooms are double rooms and rent at the rate of \$8.50 a month per person. Bedding and towels and their laundering are provided by the dormitory. Students residing at the dormitory must agree to take their meals at the dining commons, at reasonable rates, with allowance for regular absences over weekends. The cost of meals at the commons averages from \$1.25 to \$1.50 per day.

Other students, faculty members, and their friends are privileged to obtain meals at the commons in Nelson Hall at reasonable rates.

Application for admission to Nelson Hall should be made through the office of the Financial Secretary. New students at Humboldt State, who are not known personally by the faculty, must accompany their application with two letters recommending the applicant's character and integrity. These letters should be from teachers or friends who have a personal acquaintance with the applicant.

All lower division women students who do not commute daily to the College are expected to live in Nelson Hall, unless special arrangements are made by the parents with the Dean of Women. It is advisable, also, for upper division women to reside in the dormitory.

Because of the emergency conditions now prevailing, it is difficult to find suitable accommodations for board or room in the community. However, if a room or apartment is desired, the student should consult the Financial Secretary at an early date as it would be necessary to make arrangements well in advance of the opening of the semester.

It is important that the College have correct local and home addresses for all students. A record of these addresses is kept both in the office of the Secretary to the President and in the office of the Registrar.

STUDENT ORGANIZATIONS

A number of student activities are carried on in the College in the form both of various student organizations and of certain activities such as athletics, dramatics, and music for which college credit is given. The administration is convinced of the value to prospective teachers of participation in a reasonable number of these activities.

Student Body Government

In keeping with the democratic tradition in American education the College administration encourages student body government as a means by which the students may acquire an appreciation of and practical experience in the art of self-government. It is expected that such government will develop leadership and a sense of responsibility among the students. However, the faculty retain authority and supervision over certain matters, such as student body finances and relations with individuals or groups outside the College where sound financial practice, legal responsibilities, and the best interests of the students make it advisable.

The organization of the associated students, known officially as the Student Service Association, consists of five officers—President, Vice-President, Secretary, Treasurer, and Publicity Manager—a Board of Control, and an Executive Committee. The student body officers are elected annually in the spring. The *Board of Control*, composed of the Vice-President of the student body as ex-officio chairman, three women, and three men elected along with the student body officers, is charged with the responsibility of maintaining high standards of conduct around the College. The *Executive Committee* consists of the five elected student body officers, the members of the Board of Control, and a faculty sponsor appointed by the President of the College. Its duties are to hold student body elections, set student body dues, approve and adjust the budget, authorize purchases and the payment of bills, inventory school property at the end of the school year, and oversee student body affairs in general.

Student Bookstore

For the convenience of the students the student body maintains a bookstore, where college textbooks and supplies may be obtained at cost, and a soda fountain.

Clubs and Societies

To recognize scholastic achievement, encourage particular interests, and afford recreation the students have established a number of organizations, which are authorized by and coordinated through the Associated Students of Humboldt State College. They are listed with their sponsors as follows:

Alpha Psi Omega (a national dramatics fraternity)
Sponsor: Mrs. Karshner

Associated Women Students
Sponsor:

Chi Sigma Epsilon (local scholastic honor society) See p. 16
Sponsor: Miss Johnson

The College "Y"
Sponsor:

Home Economics Club
Sponsor: Miss Stöner

Humboldt State College Ski Club
Sponsor: Dr. Lanphere

Humboldt Tap Club
Sponsor:

Kindergarten-Primary Club
Sponsor: Miss Cornelius

Men's Association
Sponsor: Mr. Mathiesen

Mu Epsilon Psi (music club)
Sponsor:

Rho Sigma (sophomore honor society) See p. 16
Sponsors: Miss Johnson and Chi Sigma Epsilon

Student Teachers' Club
Sponsors: College Elementary School Staff

Women's Athletic Association
Sponsor:

In addition the freshmen, sophomore, junior, and senior classes are organized and select their faculty sponsors early in the fall semester.

PUBLICATIONS

A weekly college newspaper, the "Lumberjack" is published by the Associated Students.

The student yearbook, "Sempervirens," is usually published in the spring.

SCHOLASTIC HONORS**Conferred by the Faculty**

GRADUATION HONORS are awarded to graduating students at Commencement, subject to the approval of the faculty, on the basis of their scholastic index achieved in their undergraduate work as follows:

Index 2.00-2.34—with honor

Index 2.35-2.74—with high honor

Index 2.75-3.00—with highest honor

SEMESTER HONORS are given to all regular students who during a semester complete twelve or more units of work carrying a letter grade and who achieve a scholastic index of 2.00 with no *F*'s or *Incompletes*. These honors are announced at the Chi Sigma Epsilon honor assembly early in the following semester.

THE PHI BETA KAPPA MEDAL is presented at Commencement by the Phi Beta Kappa members of the faculty to the student of sophomore standing or higher who makes the highest scholastic average during the year.

Conferred by the Students

CHI SIGMA EPSILON is the upper division honor society, which elects members during the first part of each semester. High scholastic attainment, qualities of leadership, and high ideals of character form the basis of selection.

RHO SIGMA is a sophomore honor society, sponsored by Chi Sigma Epsilon, whose active members select them each semester from the sophomore class on the same basis as election to Chi Sigma Epsilon.

THE CHI SIGMA EPSILON FRESHMAN MEDAL is presented each spring to the student who has made the highest scholastic record in the freshman class at Humboldt State College.

SCHOLARSHIPS AND MONETARY AWARDS**Conferred by College Organizations**

AWARD FOR CREATIVE WRITING. President and Mrs. Gist have provided an annual prize of \$10 to stimulate creative writing. The arrangements for submitting manuscripts and the selection of the recipient are in the hands of the Department of English.

CHI SIGMA EPSILON SCHOLARSHIP. This scholarship, which covers the general student fees for the fall semester of the freshman year, is donated by Chi Sigma Epsilon to a high school graduate of Humboldt or Del Norte County on the basis of scholarship, character, and participation in activities while in high school.

FACULTY WOMEN'S GIFT. The Faculty Women's Club of the College presents a monetary gift to a graduating woman at the close of the academic year. The award is made on the basis of scholarship and character.

MEN'S ASSOCIATION SCHOLARSHIP. The Men's Association of the College grants scholarships to two men graduates of the high schools of Humboldt and Del Norte counties who have shown outstanding scholastic and athletic abilities. The scholarships consist of tuition paid for the fall semester of the freshman year. Selection is made by the scholarship committee of the Association from a list of candidates recommended by the high school principals. This award will not be offered in 1945-46.

Conferred by Civic Organizations and Individuals

ARCATA KIWANIS CLUB AWARD. The Arcata Kiwanis Club awards a \$10 prize each year to the Arcata High School graduate who has made the highest scholastic record at Humboldt during his freshman year.

ASSOCIATED BUSINESS GIRLS' AWARD. The Arcata Chapter of the Associated Business Girls awards a girl graduate of the Arcata High School a scholarship sufficient for the payment of all fees for the first year of the commercial course.

CRAIG SCHOLARSHIPS. Two scholarships have been established by Miss Ann V. Craig, former member of the College faculty, in honor of her father and mother. The Edith R. Craig Scholarship is presented to a freshman student chosen at the end of his or her freshman year at the College. The John F. Craig Scholarship is presented to a sophomore student chosen at the end of his or her sophomore year at the College. Selection of the recipients is made by a faculty-student committee of three from those students in the respective classes who have a scholarship index of 2.0 or better and who have participated actively and commendably in at least one extra-curricular activity. Other considerations being equal, preference is given to the students with the greatest financial need. Each scholarship consists of \$25 for each semester of the following year to pay tuition, registration, and to purchase textbooks.

THE HUMBOLDT COUNTY FEDERATION OF WOMEN'S CLUBS SCHOLARSHIPS. Each year the Humboldt County Federation of Women's Clubs awards scholarships of \$50 each in voice, musical instruments, and pre-nursing. The music scholarships provide a year's private instruction at the College. Recipients are determined by an annual contest at the College in the spring. They must be high school graduates of good standing and must major or minor at the College in the field in which the award is made.

During the emergency, one scholarship is to go to a student in the pre-nursing field. Selection of the recipient will be based upon scholastic record, character and seriousness of purpose, as evidenced either in high school or in college. Application should be made through the President of the College.

ARCATA ROTARY CLUB HONOR ENTRANCE SCHOLARSHIP. This annual scholarship of \$50 is offered by the Arcata Rotary Club to an outstanding graduate of Arcata Union High School who enrolls as a beginning freshman at Humboldt State College. Applicants must present transcript evidence of high scholarship in the work taken during their last three years in high school, with not less than 10 recommended units from high school as a minimum scholarship requirement. They must also be recommended by the principal as persons of good character who, as high school students, have participated in school activities in a commendable manner. Application should be made through the President of the College.

SOUTH FORK P. T. A. SCHOLARSHIP. The Parent-Teacher Association of the South Fork Union High School awards a scholarship sufficient for fees and books to an outstanding and deserving graduate of that school.

THE ANNETTE PARTON JOHNSON PRE-NURSING SCHOLARSHIP. This annual award of \$50 commemorates the courage of Annette Parton Johnson, local nurse who was credited with saving the lives of the patients in the old Trinity Hospital when it was destroyed by fire. The funds were collected by community agencies in appreciation of her service, and rules governing the award will be announced later.

VOCATIONAL REHABILITATION. The Bureau of Vocational Rehabilitation, State Department of Education, offers its service to students who have an employment handicap resulting from physical disability of any kind. Included are vocational counseling, the payment of tuition and fees, and the provision of textbooks without charge.

For additional information concerning the foregoing scholarships and awards, communicate with the Office of the Registrar, Humboldt State College, Arcata, California.

For loan funds available to students, see pp. 36-37.

SOCIAL LIFE

Because of the small size of the College and the presence of a college dormitory a highly congenial and informal social life prevails, in which the faculty as well as the students take part.

A considerable number of student dances are given throughout the college year under student body auspices. The Associated Women Students hold a Freshman Round-Up early in the fall semester. In the spring they give a combined Mother's Day tea and fashion show, as well as a tea honoring the new freshmen students. They also assist as hostesses at social functions in honor of visiting schools or given by the faculty. The Women's Athletic Association sponsors banquets and sports affairs throughout the year. A number of impromptu social functions are held among the students residing in the dormitory. At the end of the spring semester just before Commencement the graduating seniors conclude their undergraduate days with a series of outings and a senior banquet and ball.

The faculty sponsor several social functions for the students. Early in the fall, President and Mrs. Gist, and the deans of men and women entertain the freshmen and new students at a tea held in the Social Unit of the College. In the spring President and Mrs. Gist entertain the seniors at a tea in their home. During the last month of school, the Faculty Women's Club entertain the graduating women. Likewise, after the Baccalaureate services, which are held in the College Court, the faculty give a reception in honor of the graduating class.

ATHLETICS AND RECREATION

Intramural Sports

To promote recreation and physical development the Department of Physical Education conducts a program of intramural sports.

Among the women class teams are organized in field hockey, volleyball, basketball, and softball, and play through a tournament in the course of the semester. During the spring semester the women hold an Individual Sports Day, which consists of final matches in tennis, archery, badminton, and golf, after a series of elimination matches preliminary to this event. The

Women's Athletic Association, in conjunction with the Department of Physical Education, sponsors a Play Day at the College for the girls in all the high schools in Mendocino, Humboldt, and Del Norte counties.

For the men intramural competition is organized in basketball, volleyball, tennis, and golf.

Men's Athletics

The student body conducts a full program of men's intercollegiate athletics that includes football, basketball, baseball, track, and tennis, on both the varsity and junior varsity level. The College is now a member of the Far Western Conference. Competition is scheduled both in and outside of the Conference with colleges and amateur athletic organizations in California and Oregon. A large number of the men students participate in the intercollegiate competition of the College, for the coaching staff is especially interested in developing capable performers out of individuals with little or no athletic experience.

The Department of Physical Education requires all men participating in intercollegiate athletics and all women participating in intramural sports to pass a health examination each season.

Recreation

The student seeking recreation on his own will find in the surrounding country a variety of scenic and natural attractions. Several miles of sand dunes extend along the ocean from the north jetty of the entrance to Humboldt Bay to Little River. North of Little River the coast becomes rugged, with numerous caves, points, and reefs. About twenty miles north of Arcata on the Redwood Highway is Patrick's Point with fine picnic facilities, and a couple of miles beyond that is Big Lagoon, a virtual salt-water lake which, protected from ocean breakers, affords safe swimming and boating. Within an hour's drive or less one can reach the famous redwood groves south of Scotia and north of Patrick's Point, as well as along the Van Duzen River. At North Dyerville Flat stands the tallest tree in the United States, 364 feet in height. Consultation of any good road map of northern California will suggest several interesting trips into a rugged and little settled back-country interior from the coast.

Still other attractions offer themselves. Humboldt County possesses a relative abundance of wild game and fish. In the winter there is skiing on Grouse Mountain, where the College

Ski Club has built a cabin. In the summer there is swimming in the pools of Mad and Eel Rivers. The golf course near Arcata makes special rates to students. The lighthouse at Cape Mendocino, the lighthouse and Spanish cross at Trinidad Head, the Blowhole three miles south of Trinidad, the Coast Guard station on the peninsula, the woolen mill in Eureka, the box factory in Arcata, and the large lumber mills in Samoa, Eureka, and Scotia are places well worth visiting.

MUSIC AND DRAMA

There is abundant opportunity for students to participate in musical and dramatic activities at Humboldt. A wide and varied program is offered in both fields.

Musical organizations include a Little Symphony Orchestra, a College Chorus—open to all men and women regardless of ability—and an A Cappella Choir. These groups give concerts in both the fall and spring terms. In addition the A Cappella Choir annually tours Northern California and the Bay region, singing at many schools, colleges, and churches. The Choir has gained State-wide recognition for its outstanding performances.

The Drama Department of the College is noted for its productions. Each year it presents four or five major plays, a group of one-act plays, and a student variety show, in which a large proportion of the student body participates. Acting parts in these productions are open to all students who wish to try out. Also, through the Dramatic Workshop experience is offered in the other arts and crafts of the theater: scene design, stage-craft, lighting, make-up, etc.

Humboldt State exchanges plays with two other colleges. Annual drama festivals are held with both San Francisco State College and Chico State College. Thus, each year the Humboldt Players have the opportunity of traveling to one of these schools and of entertaining the other on the Humboldt campus. The festivals, which are noncompetitive in nature, have become well known throughout northern California.

Students receive regular course credit for participation in either Music or Drama.

NOTE.—Some of the activities described in this section have been curtailed for the duration. The program of activities, however, is as extensive and as varied as is feasible in wartime.

COUNSELING

The College maintains a program of counseling and guidance designed to aid the entering freshman in making a satisfactory adjustment and to afford an adequate follow-up program throughout his stay at Humboldt State College. At the time of registration individual attention is given by the faculty program advisers. Early in the semester the Deans interview individually the men and women of the freshman class. Meanwhile, both the Associated Women Students and the Men's Association make it their task to see that the freshmen become acquainted with other students and with the customs and organizations of the College. To assist the freshmen in adjusting themselves to college life, several Freshman assemblies are held during the fall semester. Attendance at these assemblies is required of all beginning students.

At all times the students are free to consult their program advisers and the officers of the College about the problems confronting them.

COMMUNITY RELATIONS

PLACEMENT SERVICE

The College maintains a Placement Bureau as a service both to the teacher graduates of the College and to school officials. It seeks to help the College graduates, both current and past, find the positions best suited to their abilities and training and to assist school executives by recommending to them the candidates best suited to the positions to be filled. The bureau assembles and furnishes to school officials information about the character, sense of responsibility, scholastic achievement, participation in student activities, and success in student teaching of the graduates of the College.

Students seeking positions as teachers will find it to their advantage to work through the Placement Bureau. They should register with the bureau early in their senior year so that the necessary data about them may be collected in plenty of time. During the present emergency, the facilities of the Bureau have been extended to graduates of other institutions residing in this section of the State.

Humboldt State College maintains an active Commerce Placement Bureau that assists in locating beginning positions for students or promotion for former students. For a number of years, the institution has been successful in placing virtually all of its recommended graduates, and at present, the demand exceeds the supply. No charge is made for this placement service.

COMMUNITY SERVICE

Inasmuch as the College is a state institution, its facilities, when not in use for college purposes, are available for use by the citizens of the state. It particularly welcomes conventions, conferences, and assemblies of educational or cultural nature. The College auditorium seats four hundred. Arrangements for the serving of meals in the dining commons should be made with the Financial Secretary of the College.

EXTENSION COURSES

Extension courses will be conducted at the College in the evenings or on Saturdays whenever a sufficient number of teachers or members of the general public make such a request. Similar courses will be offered away from the campus if at

least twenty people enroll in a course and make provision for the additional expense of such instruction.

THE ALUMNI ASSOCIATION

Active in the support of College affairs is the Humboldt State Alumni Association. This organization seeks to perpetuate college friendships, to promote the interests of the College, to acquaint prospective students with the opportunities open to them at Humboldt State, and to support worth while projects that contribute to the progress of the College.

Graduates and former students who have completed at least thirty units of work are eligible to membership in the Association which holds annual or semi-annual meetings, and publishes an alumni quarterly. Life membership in the Association is available upon payment of a fee of five dollars. Branch organizations of the Association have been organized in other parts of the State.

Officers of the Association at present are:

Arthur Bryant, ('32)	-----	President
Oden Hansen, ('38)	-----	Vice President
Alma Ruth Moore ('35)	-----	Secretary
Hugh B. Stewart ('17)	-----	Treasurer

ADMISSION TO THE COLLEGE

REQUIREMENTS FOR ADMISSION

High school graduates and other applicants possessing equivalent preparation may be admitted to a State College upon evidence of fitness to profit by college instruction, such fitness to be shown by previous scholastic records, by evidence of good moral character and personal qualifications, and by a satisfactory score on a standard college aptitude test. Regular matriculation will be granted only after the satisfactory completion of a full semester's program of study with records indicating probable success in the chosen curriculum.

Applicants over twenty-one years of age, who are not high school graduates and who do not possess equivalent preparation but whose score on a standard college aptitude test indicates ability to do satisfactory college work in the chosen curriculum, may be granted provisional admission as special students. Such persons may be granted full matriculation as candidates for a degree on the following conditions: (1) the removal of all deficiencies; (2) the completion of one full semester's satisfactory college work in the chosen curriculum; (3) the recommendation of the head of the major department; (4) the satisfaction of regular requirements in English A; (5) the attainment of a satisfactory mark in the College Aptitude Test.

Upon admission all students shall be classified on the basis of curricula chosen and their qualifications for undertaking such curricula. Approval for full matriculation shall be granted by the college faculty in accordance with State Board of Education regulations.

ADMISSION WITH ADVANCED STANDING

From Other Colleges. Credits earned in accredited colleges will be evaluated by the State College and advanced standing allowed on the basis of the evidence submitted. Credit toward the fulfillment of graduation requirements will be allowed only insofar as the courses satisfactorily completed meet the requirements of the basic course pattern of the State College. A complete and detailed evaluation is subject to a nonrefundable \$2 fee.

Credits earned in nonaccredited colleges may be accepted as a basis for advanced standing only to the extent that the appli-

cant can demonstrate to the satisfaction of the State College authorities that a satisfactory degree of proficiency has been attained in the courses in question.

From Junior Colleges. Credits earned in accredited junior colleges will be evaluated by the State College in accordance with the following provisions:

1. Not more than sixty-four semester hours of work may be allowed for credit.
2. No credit may be allowed for professional courses in education.

Scholarship Average. In the case of students transferring to this college from other institutions, the scholarship average at the previous institution will be included with the average made at this college.

Extension Credit. Extension work taken in other institutions is allowed only up to 10 per cent of the total curriculum requirement.

TRANSFER TO OTHER INSTITUTIONS

Courses taken at Humboldt are accepted credit for credit and grade for grade at the University of California.

Graduates who have followed a full four-year course and have received the A.B. degree in the year 1928 or subsequent thereto, and who have not inverted the curriculum in the four-year program, will be admitted to graduate standing in the University of California on the presentation of their diplomas. Thus, they will be treated in just the same manner as graduates of colleges on the accepted list of the Association of American Universities. The amount of work to be taken at the University of California will depend upon the major subject which the student selects for graduate work. This can be determined only after the student has been interviewed at the University of California by the major department of his choice. Such procedure, however, applies without exception equally to graduates of all universities and colleges.

Our pre-secondary degrees are arranged for students who plan to teach in the high school. If the course chosen is carefully followed, students will be able, after a full year of graduate work, to secure at the University of California the General Secondary Credential which will authorize them to teach in the high schools of California.

The Graduate Division of the University of California finds that it is rarely, if ever, possible for a graduate with the A.B. degree from any institution to receive both the high school credential and master's degree in one year.

All students intending to transfer to another institution after a year or two at Humboldt should consult the requirements of the institution to which they intend to transfer and arrange their programs at Humboldt accordingly.

SUBJECT A

An examination in English fundamentals, known as the Subject A examination is given at the beginning of each semester. All entering students except those who have passed the University of California English A examination or have passed a course in English A in some other college are required to take this examination; those who fail will be enrolled in the course in Subject A, for which three units of college credit will be given.

COLLEGE APTITUDE TEST

All new students are required to take the college aptitude test which is given immediately after the Language Arts tests.

REGISTRATION

Students should report for registration in compliance with the schedule announced in the calendar. A faculty adviser is assigned to each student according to the curriculum he selects. After a program has been approved by the adviser, the student completes his registration by the payment of fees and the filing of his registration and course cards.

The students' official study list is filed in the office of the Registrar. Since this list is the basis for official reports and records, the student must assume responsibility for keeping this list accurate at all times.

Prior to formal registration, conferences may be held with advisers or with the Registrar about suitable programs or course requirements.

New students, both freshmen and transfers, should make preliminary arrangements for registration and evaluation of transcripts before the opening of the semester. Transcripts of

former work should be filed with the Registrar two weeks in advance.

Students who are unable to report for registration during the designated period must make special arrangements with the administration and the faculty concerned. A special fee of \$1 is collected for late registration.

The procedure for enrolling in classes is described on p. 31.

SUMMER SESSION

Each year the College holds a summer session designed to meet the needs of (1) high school graduates prepared to enter college, (2) students and teachers working toward the A.B. or B.E. degree or a teaching or administrative credential, (3) teachers who desire to take "refresher" courses or to acquaint themselves with modern educational philosophy and procedures, and (4) persons seeking cultural advantages or combined study and recreation in one of the most scenic regions of California.

Requirements for admission to the summer session are the same as those for the regular semester sessions (see p. 25).

Courses are planned for full six weeks' attendance, though in certain instances, credit for three weeks' attendance may be arranged.

A feature of the recent summer sessions has been a workshop in elementary education, which has proved to be of special interest to in-service teachers.

The Registrar will send the Summer Session Bulletin upon request.

ACADEMIC REGULATIONS

UNIT OF CREDIT

A semester unit represents quantitatively fifty-four clock hours of work. It is usually administered as one recitation hour per week for eighteen weeks, with two hours of preparation for each recitation hour. It may be administered as three recitation hours per week for eighteen weeks without outside preparation.

CLASSIFICATION OF STUDENTS

Students are classified in two ways in terms of number of units completed.

Students who have completed less than 60 units are classed as *lower division* students. Ordinarily they are allowed to enroll only in lower division courses (see p. 53). Students who have completed 60 or more units are classed as *upper division* students. They may enroll in both lower and upper division courses.

A student's class is determined by the number of units completed, as follows:

Freshmen	-----	Less than 30 units
Sophomores	-----	30 to 59½ units
Juniors	-----	60 to 89½ units
Seniors	-----	90 or more units

During a given semester students registered for more than five units are classified as *regular* students. Students registered for five units or less are known as *limited* students.

MARKING SYSTEM

Grades

A five-grade marking system is used. The grades employed are defined as follows:

A	-----	Excellent
B	-----	Good
C	-----	Average
D	-----	Barely Passing
F	-----	Failure

Plus (+) as given in certain courses means passed with a grade of C or better. Inc. means "incomplete," W "withdrawn."

Incomplete will be given to students who have been doing passing work and who, through no fault of their own, are unable (a) to take a final examination or (b) to complete certain class or laboratory work by the end of the semester. The grade is not given to students who are failing or who are dilatory. *The uncompleted work must be made up within the next year of residence, or the Incomplete automatically becomes a Failure.*

Honor Points

Each of the above grades carries honor points as follows:

A-----	3 per unit
B-----	2 per unit
C-----	1 per unit
D-----	0 per unit
F-----	Minus 1 per unit

No honor points are given for an Incomplete until the final grade is given. Neither units nor honor points are given for a course from which a student withdraws. Hence, marks of Incomplete or W have no effect upon the Scholarship Index.

Scholarship Index

The Scholarship Index is a device for rating a student's scholarship average. It is derived by dividing the total number of honor points earned by the total number of registered units. In computing the index, units are not included for activity courses that carry no honor points.

A student receiving a grade of D or F in a course may repeat the course and be given the grade and grade point earned in the repeat providing he receives permission from the instructor of the course and the Scholarship Committee. Unit credit towards the degree will be allowed only once for a course, but the calculation of the scholarship index will include the honor points received each time the course is taken. Though repetition of a course will not rescind zero or minus grade points, a student repeating such a course with a grade of C or higher improves his scholarship index since the honor points are increased without a corresponding increase in the registered units.

Unless otherwise specified, the term "Scholarship Index" refers to the cumulative rather than the semester index.

NORMAL PROGRAM

Fifteen or sixteen units of work in addition to a half-unit in physical education constitute an average program for a semester. According to the definition of semester unit given above, this means forty-eight hours of actual work each week.

Students who have demonstrated their ability, measured in terms of the Scholarship Index, may be permitted to carry additional work according to the following scale:

<i>Index of scholarship</i>	<i>Maximum load for following semester</i>
1.25-1.74 -----	17½ units
1.75 and above -----	18½ units

First semester freshmen, however, are limited to a maximum load of 17 units.

The approval of the Health Department is also required for students who register for more than the normal program.

In order to secure credit for their work students must have their programs approved by the faculty adviser.

CLASS ENROLLMENT AND ATTENDANCE

For each student who registers for a given class a course card is issued to the instructor. No student may be admitted to class unless the instructor has received his course card.

The College believes that regular and punctual class attendance is important to a high standard of work. Each instructor makes his own regulations regarding attendance requirements. Students finding it necessary to be absent from college should obtain the approval of the President's secretary. Freshmen who are absent because of illness should secure a health excuse from the Health Office and present it to each of their instructors.

Any member of the faculty may exclude from his course any student who has neglected the work of the course, or is discourteous, or persists in practices annoying to the instructor or the class.

CHANGES OF PROGRAM

Necessary program changes may be made during the first four weeks through the Registrar's office with the consent of the student's adviser. Thereafter no program changes may be made. Exceptional cases, however, may be referred to the Scholarship Committee.

To drop a course, the student's procedure is as follows: (1) obtain his course card from instructor, (2) have it signed by adviser, and (3) turn it in at the Registrar's office. To enter a new course, the student should (1) obtain a "Permit to Enter" card from the Registrar, (2) have it signed by his adviser, and (3) exchange it at the Registrar's office for a course card which is filed with the instructor.

WITHDRAWAL FROM COLLEGE

Upon petition, an honorable dismissal may be granted to any student in good standing, provided arrangements have been made with the Registrar.

During the first twelve weeks of any semester, students withdrawing from college with official sanction shall be given a mark of W.

During the last six weeks of any semester, those who withdraw shall be given W's or F's depending upon the quality of their work. Students who, because of illness or other unavoidable causes, have to drop out of college during this period may petition for Incomplete grades. This privilege shall be granted only to those whose work is of passing grade at the time of withdrawal.

Students who neglect to comply with these regulations shall have their courses reported as Failures.

REPORTS TO STUDENTS

At the end of the semester, reports are given to the students, the regular marking system being used.

Mid-semester reports are made to students doing unsatisfactory work. These reports are followed by conferences with the President or other members of the administrative staff. Students having particular difficulties in certain subjects are periodically interviewed by the President.

CREDIT BY EXTENSION

Students regularly enrolled in the College may be admitted to extension classes upon the approval of the adviser and the President of the College. In such cases the combined program shall be subject to the established load limitations for regular students.

Not more than 12 units (10 per cent) of the 120 units required for the A.B. degree may be taken in extension classes of either the College or other institutions.

PROBATION AND DISQUALIFICATION

Any student whose cumulative average drops below 1.00 (a C average) shall be given a warning notice.

If a student's scholarship index for a semester falls below .50 (midway between a C and a D), he shall be placed upon probation for the ensuing semester.

A student on probation shall not be permitted to enroll for more than $13\frac{1}{2}$ units. To get off probation, he must:

- (a) Complete at least eight units of work during the semester;
- (b) Achieve an index for the semester of .50 or better. (If he wishes to do so, he may attend summer school, averaging his summer grades with those of the preceding semester to achieve the requisite .50.)

A student on probation shall be automatically disqualified if his index for the semester drops below 0 (a grade average of D). Should his semester index be between 0 and .50, he shall remain upon probation for a second semester. At the close of the second probationary semester, if he has failed to achieve the required standard of .50, he shall be disqualified.

The College, at the discretion of the faculty Scholarship Committee, may disqualify also those students who have been registered in school two or more semesters and whose cumulative scholarship index is less than .75.

A student who has been disqualified for unsatisfactory scholarship may apply through the Registrar for re-entrance upon probation after the lapse of one semester.

Students whose personal conduct is unsatisfactory may be disqualified by administrative action at any time.

HEALTH SERVICE AND EXAMINATION

In order to safeguard the health of its students the College engages a physician and a health director, and maintains a health service program. The college physician examines and counsels students on health problems. At least three medical examinations are given each student as follows:

- (1) At entrance (including a dental examination)
- (2) During the junior year
- (3) Before graduation

Emergency treatment is given in case of accident or illness. Hospital service with special rates in the local hospital

is available to students who make arrangements for such services through the Health Department.

PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

Participation in extra-curricular activities is not permitted to students who are on probation. Participation in inter-collegiate athletics is subject to the rules of the Far Western Conference, of which Humboldt is a member.

CREDIT FOR MILITARY SERVICE

Humboldt State College will follow the policies approved by educational agencies in the United States for the granting of credit for military service. Credit for courses taken under the auspices of the Armed Forces Institute may be applied toward degree or course requirements here.

FEES AND EXPENSES

STATE FEES

Required

Payable by all students taking more than 5 units at the time of registration

Registration fee—per semester	\$6 50
Materials and service fee—per semester	4 00

Occasional

Registration fee for students taking 5 semester units or less—per unit	\$2 50
Materials and service fee for students taking five units or less— per unit	50
Extension fee—per unit	5 00
Late registration fee—regular students only	1 00
State credential fee—paid directly to Registrar's office—each credential	3 00
Placement service fee (for five sets of recommendations)	1 00
Each additional set	20
Additional transcripts, each	1 00
Fee for evaluation of transcripts	2 00
Special final examinations—each examination	1 00

Summer Session

Summer Session registration fee (six weeks, 4-6 units)	\$25 00
Less than 6 weeks—per week	5 00
Less than 4 units—each unit	5 00
Health and Physical Education fee—4 weeks or more	50
Less than 4 weeks	25
Student Body Lecture and Recreation Fund—4 weeks or more	50
Less than 4 weeks	25
No late registration fee in summer session.	

Auditors

Persons enrolled in college classes as auditors only are subject to the above fees in the same manner as those enrolled for credit.

Student Body Fees

Fee—per semester	\$5 00
Student Annual (second semester only)	2 50*
Physical Education fee—per semester	75
Hospitalization and Health fee—per semester	75
Diploma fee at graduation	2 50

The student body fees are applied to a varied program of student activities, which include music, drama, athletics, the college paper, social activities, and others. It is only through the financial support of the students that this important phase of college life becomes possible. Membership in the associated students is not obligatory, though advisable.

* Publication subject to decision of student body.

It entitles one to a subscription to the college paper, the *Lumberjack*; admission fee or at reduced rates to athletic contests and social functions; and participation in student body and class activities.

REFUNDS

At present legislative action is pending on regulations for State Tuition fee refunds. Requests for such refunds will be accepted within three weeks from date of registration subject to this action.

STUDENT BODY FEES. These fees are not refunded if a student has participated in any student body activity.

SUMMARY OF EXPENSES FOR REGULAR STUDENT

	<i>Expenses at Registration (Twice a Year)</i>	<i>Approximate Monthly Expenses</i>		<i>Total for School Year (9 months)</i>	
		<i>Minimum</i>	<i>Maximum</i>	<i>Minimum</i>	<i>Maximum</i>
Tuition	\$6 50			\$13 00	\$13 00
Materials and service fee.....	4 00			8 00	8 00
Student organization expenses.....	8 00			16 00	16 00
(Club dues, year book, hospitalization, physical education fees, etc.)					
Books, papers, and supplies (approx.).....	12 00			24 00	24 00
Board and room.....		\$30 00	\$45 00	270 00	405 00
Miscellaneous		5 00	10 00	45 00	90 00
(Entertainment, laundry, cleaning, etc.)					
Total				\$376 00	\$556 00
(Bus fare: Eureka-Arcata, \$5.00 per month).					

STUDENT EMPLOYMENT SERVICE

Opportunities for part-time employment are available for needy and deserving students. The College employs as much student help as possible, particularly in the Commons, and for other types of work on the campus. The College also has requests for assistance for light housework, care of children, janitorial and clerical work. Application for employment should be made to the Financial Secretary before registration.

LOAN FUNDS

General Student Loan Fund

A small loan fund is at the disposal of the College to assist worthy students in meeting their necessary expenses. It has generally been the policy to make this fund available to students in the upper division courses. Students needing financial assistance are advised to discuss their problems confidentially with the Dean of Women, Dean of Men, or the President.

Special Student Loan Fund

The faculty and certain organizations in Humboldt County have provided a special loan fund to assist worthy students in registration expenses. Application blanks for loans may be secured from the Financial Secretary. The applications are passed upon by a special committee of the faculty. The student should file his application prior to registration. Rarely are loans made to new students.

ROTARY CLUB LOAN FUNDS

The Rotary Clubs of Arcata and Eureka have established loan funds available for worthy students recommended by the President.

**THE BUSINESS AND PROFESSIONAL WOMEN'S
SCHOLARSHIP LOANS**

The Business and Professional Women's Club of Eureka maintains a fund from which scholarships are awarded on a loan basis to women selected by the Club.

SEQUOIA MUSIC CLUB SCHOLARSHIP LOANS

The Sequoia Music Club awards each year on a loan basis at least two scholarships of \$50 in music. These scholarships provide for a year of private lessons at the College in either voice, piano, violin, or 'cello. Recipients are determined by a contest at the College in the spring. They must be high school graduates of good standing and must major or minor in music at the College for the duration of the award.

DEGREES, CREDENTIALS, AND CURRICULA

GENERAL STATEMENT

The curricula offered by the College fall principally into two groups: (1) degree curricula leading to a Bachelor of Arts or a Bachelor of Education degree and (2) lower division curricula. In addition the College offers work leading to two administrative credentials. The various curricula of the College are listed as follows:

I. Degree curricula

A. A.B. Degree with

General Elementary Credential

General Junior High School Credential

Kindergarten-Primary Credential

Special Credential in Physical Education

Combinations of the foregoing credentials

B. A.B. Degree in Liberal Arts, with a major in

Biological Sciences

Social Sciences

Economics and Business

Social Service

English

Speech and Dramatics

or with a Group Major

C. A.B. Degree in Liberal Arts, with a pre-secondary major in

Biological Sciences

Social Sciences

English

Speech and Dramatics

D. B.E. Degree (for teachers not holding an A.B. Degree)

II. Lower division curricula

A. Terminal

Commercial Training

Photography

Secretarial Training

Wildlife Management

General Business

Merchandising

B. Preparatory for transfer to other institutions

Agriculture

Agricultural Economics

Animal Science

Plant Science

Business Administration

Dentistry

Engineering

Forestry

Home Economics

Law

Liberal Arts or

Letters and Science

Medicine

Nursing

Optometry

Pharmacy

III. Administration and Supervision credentials

A. Elementary School Administration Credential

B. Elementary School Supervision Credential

DEGREE CURRICULA

Bachelor of Arts

The Bachelor of Arts or A.B. degree is granted customarily after four academic years of work in the following forms:

(A) A PROFESSIONAL DEGREE IN CONJUNCTION WITH ONE OR MORE CALIFORNIA TEACHING CREDENTIALS. One of the primary functions of the College is the training of teachers. To that end the College offers work leading to (a) the Kindergarten-Primary Credential, (b) the General Elementary Credential, (c) the General Junior High School Credential, and (d) the Special Secondary Credential in Physical Education. For a detailed description of the academic and other requirements for the A.B. degree and these credentials see pages 40-42 and 73-80.

(B) A NON-PROFESSIONAL DEGREE IN LIBERAL ARTS. The nature of this degree is primarily cultural, as it represents a broad background in the humanities and the sciences. No teaching credential is involved in this case. The degree is, however, of considerable value in preparation for some profession or vocation. It affords a good general background for various kinds of business, for government positions, for the law, for teaching, either secondary or college, and for some kinds of research—all according to the field chosen by the student.

The A.B. degree in Liberal Arts is offered with the following majors:

Biological Sciences (pp. 62-66)
Economics and Business (pp. 121-122)
English (pp. 87-90)
Social Sciences (pp. 123-124)
Social Service (p. 118)
Speech and Dramatics (pp. 125-129)
Group Major (see below)

The basic A.B. degree requirements are given on pages 41-42, the specific major requirements on the pages indicated in the parentheses.

The Group Major consists of 36 units in the upper division, distributed among three subject-fields chosen from the lists of majors and minors on pp. 42-43. The student following this major may, in consultation with his adviser, arrange the distribution of the 36 units in whatever proportion seems best, subject however, to the following requirements:

- (a) Not less than 6 upper division units must be taken in each field, together with the lower division prerequisites; the total of upper division units in any one field should, however, be less than 24.
- (b) Sufficient work must be taken in one field to meet the minimum requirements of the State for a major (see p. 42).
- (c) Sufficient work must be taken in each of the other two fields to meet the minimum requirements of the State for a minor (see p. 43).

(C) A PRE-SECONDARY LIBERAL ARTS A.B. DEGREE. This form of the A.B. degree is intended for those students who plan to obtain the General Secondary Credential qualifying them to teach in the high schools of the State. The College is not authorized to grant this particular credential, which calls for a year of graduate study in an institution authorized to offer the professional courses required for the credential. However, the required A.B. degree in a subject field taught in the secondary schools may be obtained at the College in these fields:

Biological Sciences (p. 57)
English (p. 87)
Social Sciences (p. 117)
Speech and Dramatics (p. 125)

The basic A.B. degree requirements are given on pages 41-42, the specific major requirements on the pages indicated in parentheses.

In addition to the above curricula the College provides the first three years of work in Business Education, such work being preparatory to completing the requirements for the A.B. degree and the Special Secondary Credential in Business Education at another institution (see p. 69).

Students who intend to obtain a General Secondary Credential are advised to consult the particular requirements of the institution to which they plan to transfer.

Students who plan to obtain a General Secondary Credential at the School of Education of the University of California are directed to the fact that before receiving the credential they must have satisfied:

- (1) Matriculation requirements of the University;
- (2) The requirements for the degree of Associate of Arts of the University (see pp. 44-45 of this catalog);
- (3) The following minimum scholarship index requirements of the School of Education:

Upper division work	1.50
Postgraduate work	1.75
Educational courses	1.00
Work for the major	1.75
Work for the minor	1.00

General Requirements for the Bachelor of Arts Degree in All Forms

Of the two degrees which the College is authorized to grant, the A.B. degree in its three forms is by far the more commonly awarded. To receive this degree, whether in conjunction with a California teaching credential or as a non-professional degree in liberal arts, the student must fulfill certain basic requirements set up by the State Department of Education and the College. They are the following:

Units. A minimum of 120 units is necessary for graduation. Of these at least 40 units must be selected from upper division courses. Not more than 60 units taken in any one department may be counted toward fulfillment of the total number of units for graduation. For maximum units in Education, see p. 76.

Residence. At least 24 of the 120 or more units for graduation must be completed at this College in residence.

Of the minimum of 24 units not more than 12 may be taken in the extension division of the College. Six of the last 30 units taken for a degree must be taken *in residence* at the College.

Subjects. All candidates for the degree must take:

Social Science	12 units
Eight of the 12 units required must be taken in the lower division. At the discretion of the department, one year of social science taken in the senior year of high school for which recommended grades were received may be substituted for three units of social science.	
Biological and physical sciences.....	12 units
Eight of the 12 units required must be taken in the lower division. At the discretion of the department, one year of science taken in the senior year of high school for which recommended grades were received may be substituted for three units of biological or physical science.	
English (in the lower division).....	6 units
Psychology (in the lower division).....	3 units
Physical Education (in the lower division; see p. 107) ..	2 units
American Constitutional Government	2 units

Majors and minors. Each candidate must complete one major and two minors, or two majors and one minor.

A *major* is a combination in a prescribed field of not less than 24 units, at least 12 of which must be in the upper division. Certain departments, however, distinguish between a teaching major (in connection with the Junior High School Credential) and a liberal arts major. In the latter major a total of at least 36 units (but not more than 60) is required, with a minimum of 24 units taken in upper division courses.

The student should select his major field with care, in accordance with his interests and objectives. Although it is possible to change a major field, it is usually done at the expense of time and credits.

Majors are available as follows:

<i>Junior High School</i>	<i>Liberal Arts</i>	<i>Pre-secondary</i>
Biology	Biological Sciences	Biological Sciences
English	Economics and Business	English
Health and Hygiene	English	Social Sciences
Home Economics	Group Major	Speech and Drama
Industrial Education	Social Sciences	
Music	Speech and Drama	
Physical Education		
Social Sciences		
Speech and Drama		

A *minor* is a combination in a prescribed field of not less than 12 units, at least 6 of which must be in the upper division. In many cases, however, requirements within departments exceed this minimum.

In general, minors are designed to give breadth and background. In the curricula leading to teaching credentials they may serve the additional purpose of providing a second subject which the student may teach if necessary. Some combinations are better than others for transfer credit; some are better as teaching combinations. The future plans of the candidate will determine in part what is desirable to choose for minor fields.

Minors are available in the following fields:

Art	English	Music, Vocal or
Biology	French	Instrumental
Botany	Health and Hygiene	Physical Education
Commerce	History	Social Sciences
Economics	Home Economics	Speech and Dramatics
Education	Industrial Education	Zoology
	Mathematics	

The requirements for each major and minor listed are to be found stated in detail at the beginning of the respective departmental sections under "Courses of Instruction."

Scholarship. A scholarship average of C (index of 1.0) is required for graduation with the degree.

Bachelor of Education

The Bachelor of Education or B. E. degree is designed for successful teachers in the field who would find difficulty in meeting all the requirements for the A. B. degree, but who wish to have a modern bachelor's degree. The degree is professional in character, carries no credential with it, and is not intended to qualify its recipients for graduate standing in the universities.

The California State Board of Education on January 7, 1937, authorized the seven State Colleges to grant this degree, the requirements for which are based upon an evaluation of successful experience and educational activities as a substitute for certain academic and professional courses.

Those who have already launched this program will have until February 1, 1947, to complete it.

LOWER DIVISION CURRICULA

The College offers two types of lower division curricula. The first is terminal in character and is offered in the following fields:

Commercial Training (pp. 69-75)

Secretarial Training

General Business

Merchandising

Photography (p. 59)

Wildlife Management (p. 60)

The second type comprises a number of lower division curricula the continuance of which in the upper division the College is not equipped to provide. Most of such curricula are pre-professional or technical in character, and are designed to meet the needs of those students who plan to obtain a Bachelor of Arts or a Bachelor of Science degree or a certificate of completion at some other institution, but who wish to do the lower division work at Humboldt. *These students should acquaint themselves with the particular requirements of the institutions to which they intend to transfer and should ascertain which of the courses offered at the College will be accepted in preparation for their chosen fields of study.*

The following curricula are the more common fields of study in which the college offers lower division courses. These curricula are suggestive rather than fixed, since the specific course requirements of other institutions may vary. Nor is the list of lower division curricula complete; others may be arranged if the demand presents itself.

Since most of the students who take their lower division work at this College and then transfer elsewhere for the upper division work transfer to the University of California at Berkeley, the curricula described below are in most instances devised to meet the requirements of the University.

To aid the student in planning his course, the requirements for the degree of Associate of Arts, which the University grants upon completion of the lower division work, are given here:

**Requirements for the Degree of Associate in Arts
University of California**

(See University of California Circular of Information for details)

(a) *Subject A.* (Completion of English A, 1A, or 1B at Humboldt satisfies this requirement.)

- (b) *Foreign Languages.* At least 16 units in not more than two languages, with not less than 4 units in any one language. The first two years of high school work in a foreign language will be counted in satisfaction of 4 units of this requirement and each year thereafter as 4 units.
- (c) *Mathematics.* Elementary Algebra and Plane Geometry.
- (d) *Natural science.* 12 units chosen from the following: *Anthropology, Bacteriology, Botany, Chemistry, *Geography, Geology, Physics, Physiology, and Zoology, including a course in a laboratory science. (A year's work in high school Chemistry or high school Physics will count 3 units each towards the satisfaction of this requirement.)
- (e) *Additional.* A year course (of at least 6 units) in each of three of the following groups:
- (1) English, Public Speaking
 - (2) Foreign Language (additional to b)
 - (3) Mathematics (additional to c)
 - (4) Economics, Geography, History, Political Science
 - (5) Philosophy
 - (6) Fine Arts

Pre-Agriculture

Recommended Sequence

Agricultural Economics

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
Mathematics 3A-3B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Commerce 14A-14B -----	3	3
Commerce 40 -----	3	
Economics 1A-1B -----	3	3
Economics 40 -----		3
Geology 1A -----	3	
Zoology 1A -----	4	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Electives -----		6
	16 $\frac{1}{2}$	15 $\frac{1}{2}$

* Anthropology 1A and Geography 1 may be used in partial satisfaction of the natural science requirement; if either is so used, it may not be included as part of the social sciences requirement.

Animal Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Zoology 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Physics 2A-2B -----	3	3
Geology 1A -----	3	
Electives -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	5	
Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Botany 1A -----	4	
Zoology 160 -----		3
Electives -----		6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Plant Science

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
Geology 1A -----	3	
Physics 2A-2B -----	3	3
Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	5	
Chemistry 8-9 -----	3	3
Economics 1A-1B -----	3	3
Zoology 1A -----	4	
Botany -----		4
Electives -----	2	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	16 $\frac{1}{2}$

It is also possible to complete at least one year of the program in Entomology and Parasitology, and in Soil Science at Humboldt State College.

Pre-Architecture

Students who expect to transfer to Stanford University to study architecture may profitably spend two years at Humboldt State. This two-year course should include the following: English 1A-1B, Mathematics 3A-3B, French 2A-2B, Civil Engineering 2, and as much art as practicable.

If the study of architecture is to be pursued at the University of California the student may find it advantageous to enroll here if he has entrance deficiencies to remove. While he is thus engaged he should also include in his program Physics 1A-1B, Mathematics E, and Industrial Education 7A-7B, if he has not had mechanical drawing in high school. It is necessary to meet the requirements for the Associate in Arts degree to enter the School of Architecture at the University of California. (See p. 44)

Business Administration

This curriculum is planned to prepare the student for entrance into the School of Business Administration at the University of California (Berkeley), which requires junior standing in the College of Letters and Science or certain other colleges for entrance and which grants the B.S. degree at the end of the senior year. This lower division curriculum is based on the requirements of the Associate in Arts degree (see pp. 44-45). Only Economics 1A-1B, Economics 40, Mathematics 2 or 3A are specifically required. Geography 1 and 2 (for total of 6 units) are recommended. Additional science may be substituted in certain cases for part of the language requirement.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Economics 40 -----		3
English 1A-1B -----	3	3
Foreign Language -----	3	3
History 4A-4B -----	3	3
Science -----	3, 4, 5	3, 4, 5
Mathematics 1 (if needed to meet Mathematics 2 prerequisite) -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ -17 $\frac{1}{2}$	15 $\frac{1}{2}$ -17 $\frac{1}{2}$

SOPHOMORE YEAR

Economics 1A-1B -----	3	3
Foreign Language -----	3	3
Science -----		3
Geography 1-2 -----	3	3
Mathematics 2 -----		3
Electives -----	6	
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Desirable electives: Com. 14A-14B; Com. 40.

Pre-Dental

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
Chemistry 1A-1B -----	5	5
Foreign Language -----	3	3
Physics 2A-2B -----	3	3
Physics 3A-3B -----	1	1
Electives -----		2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Orientation 1 -----	1	
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Zoology 1A-1B -----	4	4
Chemistry 8-9 -----	3	3
† Year Course (chosen from group (e)) -----	3	3
Electives (Foreign Language if necessary to complete 16 units for A.A. degree) -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

N.B.—The entire course should be arranged to meet the requirements of the degree of Associate of Arts in the College of Letters and Science of the University of California.

Pre-Engineering*

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Mathematics 3A-3B -----	3	3
Chemistry 1A-1B -----	5	5
Physics 1A-1B -----	3	3
Civil Engineering 1A-1B -----	3	3
Elective -----	2	2
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

† Chosen from the Associate of Arts list, group (e), p. 44.

* For the duration of the war emergency, adjustments in the curriculum for Pre-Engineering students will be made to suit the demands of the situation.

Pre-Forestry

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
Botany 1A-1B -----	4	4
English 1A-1B or Speech 1A-1B -----	3	3
Mathematics 3A-3B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Chemistry 8 -----	3	
Civil Engineering 1A-1B -----	3	3
Economics 1A-1B -----	3	3
Geology 1A -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B -----	3	3
Physics 3A-3B -----	1	1
Electives -----		6
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Pre-Home Economics

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 -----		2
Chemistry 1A-1B -----	5	5
English 1A-1B -----	3	3
History 4A-4B -----	3	3
Home Economics 1, 3 -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	14 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Art 15 -----		3
Bacteriology 1 -----	5	
Biology 10A -----	3	
Chemistry 8 -----		3
Economics 1A-1B -----	3	3
Home Economics 11, 20 -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 -----		2
Psychology 1 -----		3
Speech 1A -----	3	
	17 $\frac{1}{2}$	17 $\frac{1}{2}$

Pre-Legal

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
English 1A-1B -----	3	3
History 4A-4B -----	3	3
French 1A-1B -----	3	3
Science -----	3, 4, 5	3, 4, 5
*Electives -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>15$\frac{1}{2}$-17$\frac{1}{2}$</u>	<u>15$\frac{1}{2}$-17$\frac{1}{2}$</u>

SOPHOMORE YEAR

French 2A-2B -----	3	3
History 70 -----		3
Philosophy 6A-6B -----	3	3
Science -----	3, 4	
*Electives -----	6	6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	<u>15$\frac{1}{2}$-16$\frac{1}{2}$</u>	<u>15$\frac{1}{2}$</u>

* Recommended: Mathematics 1 and C; Economics 40; Speech 1A-1B.

Letters and Science

Students interested in a liberal arts or pre-secondary program who expect to transfer to the University after two years should follow the program outlined for the degree of Associate in Arts in the College of Letters and Science, University of California listed on pp. 44-45 of this catalog.

Pre-Library Science

Professional training for librarianship is usually restricted to the graduate level. In preparation therefor, the student should complete a degree course that satisfies insofar as possible the undergraduate requirements of the institution selected for the specialized training. Although English is a frequent major for students interested in library work, it is not essential, as there are opportunities for librarians with technical training, especially in scientific fields.

PRE-MEDICAL

See p. 58.

Pre-Nursing

See pp. 112-113.

Pre-Optometry*

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Chemistry 1A-1B -----	5	5
**Foreign Language -----	3	3
Math. C (if necessary) -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physics 2A-2B -----	3	3
Physics 3A-3B -----	1	1
Electives -----	0 or 3	3
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 -----	5	
Chemistry 8 -----	3	
**Foreign Language (if necessary) -----	3	3
Mathematics 3A -----	3	
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 -----		5
Political Science 151 -----		2
Psychology 1 -----		3
Speech 1A-1B -----	3	3
	17 $\frac{1}{2}$	16 $\frac{1}{2}$

(If the student has not had Mechanical Drawing in high school, he should include it in his program as an elective.)

Pre-Pharmacy

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 1A-1B -----	4	4
Chemistry 1A-1B -----	5	5
†Mathematics 1 -----	3	
†Mathematics C -----	3	
Electives -----		6
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

* For the duration of the war emergency, adjustments in the curriculum for Pre-Optometry students will be made to suit the demands of the situation.

** See the requirements for the degree of Associate in Arts, College of Letters and Science, University of California, listed on pp. 44-45 of this catalog.

† Students who have matriculation credit in these subjects are advised to take English 1A-1B, or Speech 1A-1B.

ADMINISTRATION CREDENTIAL CURRICULA

The College offers work leading to the Elementary School Administration Credential and the Elementary School Supervision Credential. The professional courses in Education are customarily offered during the summer session. The requirements for these credentials are given in detail on page 86.

AERONAUTICS

In conjunction with the Pierce Flying Service of Eureka the College has been authorized by the Civil Aeronautics Authority to give work leading to a private pilot certificate. This flight course is outlined and largely financed by the federal government. It consists of ground work of approximately 72 hours in theory given at the College and 50 hours of flight training given by the Pierce Flying Service.

This course is open to a limited number of men who (1) are between the ages of 18 and 24 inclusive, (2) have passed the medical examination given by an authorized examiner, and (3) are full-time students at the College with at least sophomore standing, or, if not enrolled in the College, have had at least two years of college work. It is open to students who have a secondary interest in aviation as well as those who have chosen some branch of aeronautics as a vocation or profession. College credit will be given to those who wish it and who are enrolled in the College (see Aeronautics under "Description of Courses"). A fee of \$15 is charged each enrollee to cover the cost of insurance and the medical examination.

This course has been suspended by the ban on civilian flying, which has just been lifted.

For further information regarding reopening of this work and for making application communicate with the Secretary to the President, Humboldt State College.

COURSES OF INSTRUCTION

EXPLANATORY NOTE

Lower division courses carry numbers between 1 and 99 inclusive. They are designed for freshmen and sophomores, but are open to juniors and seniors as well. They do *not* count as upper division work in any department.

Upper division courses carry numbers between 100 and 199 inclusive. They are open only to students who have attained upper division status and who have completed a lower division course or courses deemed preparatory by the department concerned. Sometimes they are elementary courses in subjects of such advanced character as to require the maturity of upper division students.

Professional teacher-training or counselor-training courses in the Department of Education carry numbers between 300 and 399, inclusive. They are open only to upper division or graduate students.

Courses designated with a letter only (e.g., Mathematics C) are courses of high school level that are taught in college.

The semester in which a course is taught is indicated parenthetically after the title. Those courses designated "year" run consecutively through both the fall and spring semesters.

A course designated by a double number (e.g., History 4A-4B) is continued through two successive semesters, that is from September to June, or from January of one year to January of the following year. The student should use the first number in registering for the course during its first semester, and the second number during its second semester. The first half of such a course is prerequisite to the second half unless there is an explicit statement to the contrary. A final report is made by the instructor at the end of each semester. The student may discontinue the course at the end of the first semester, with final credit for the first half of the course, unless otherwise noted. Where parts of a course with the same number are listed separately, e.g., Physical Education 192A, Physical Education 192B, the A part is not prerequisite to the B part, unless explicitly so stated.

Some courses are designated by a number and a succession of letters without repetition of the number before each letter, e.g., Speech 25A, B, C, D. In such instances the letters indicate the number of times the particular course may be taken for credit.

Because of varying exigencies from semester to semester in making up the schedule of classes, the instructor and time and place of meeting of each course of instruction are not given in the following descriptions. At the end of each semester a schedule of classes, containing such information for the following semester, is made up and mimeographed for distribution.

AERONAUTICS

For additional details see p. 52.

- *1. **C. A. A. Ground Course** (fall, spring) 4 units
 Meteorology, navigation, and civil air regulations.
- *2. **C. A. A. Flight Course** (fall, spring) 1 unit
 Flight training leading to the civilian's pilot license.

ART

MINOR REQUIREMENTS

<i>Minor in Art</i>		
Lower Division	Art 1_____	2 units
	Art 6_____	3 units
	Additional L. D. Art_____	1 unit
Upper Division	Art 115A_____	3 units
Total units required	Additional U. D. Art_____	3 units
	12 units	

A liberal arts group major which includes Art may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

During certain designated studio hours, students may work in the art department under supervision upon varied class projects. This plan makes for greater flexibility in program arrangements.

DESCRIPTION OF COURSES

LOWER DIVISION

1. **Art Orientation** (fall, spring) 2 units

Analysis of structural principles of art; the vocabulary and meaning of art terms. Elements of art expression are studied in relation to our everyday surroundings as a basis for appreciation and creative effort.

Two one-hour periods per week.

2. **Design** (spring) 3 units

The organization of line, mass, space, volume, and color into patterns for surface decorations.

Prerequisite: Art 1.

Three one-hour periods per week.

3. Art History and Appreciation (fall) 3 units

A study of the development of art through the early historic periods and of schools in architecture, sculpture, painting, and minor arts up to the 20th century.

Three one-hour periods per week.

4. Drawing and Composition (fall, spring) 3 units

A study of form and space in proportion and composition, expressed with line, value, and color.

Three two-hour periods per week.

6. Crafts (fall) 2 or 3 units

Problems and processes in bookbinding, block printing, stenciling, basketry, dyeing, and leather craft.

Two or three one-hour periods per week.

7. Puppetry (spring) 2 or 3 units

Puppetry and its stagecraft.

Two or three one-hour periods per week.

8. Knitting Craft (fall, spring) 1 or 2 units

Knitting as an art craft. Students learn to knit twenty or more patterns and to create patterns of their own. Each student knits a garment for herself and one for the Red Cross. Students provide their own materials.

One or two one-hour class periods and two or four hours of outside work per week.

15. Lettering (fall) 3 units

Practice in the technique of lettering; use of lettering tools in work for fine line, proportion, spacing, tone, and rhythm; study of the various types of letters.

Three one-hour periods per week.

20 or 120. Flower Arrangement (spring) 1 unit

Application of the basic principles of art to the arrangement of flowers.

One one-hour period per week.

UPPER DIVISION

102. Industrial Design (spring) 3 units

Advanced problems in original design, both structural and decorative, suitable for industrial uses; application of some of the designs to materials.

Prerequisite: Art 1 and Art 2.

Three one-hour periods per week.

104. Painting (spring) 1, 2, or 3 units

The student works in any medium he wishes and furnishes his own materials.

Prerequisite: Art 4.

Two, four, or six one-hour periods per week.

- 106. Advanced Crafts (fall)** **1, 2, or 3 units**
Plastic modeling and carving in wood, soap, and other media.
Prerequisite: Art 6 or its equivalent.
One, two, or three one-hour periods per week.
- 115A. Lettering (fall)** **3 units**
Lettering and design for upper division students, embracing Art 15 and including block printing and poster service for the College.
Three one-hour periods per week.
- 115B. Advanced Lettering (fall)** **3 units**
Advanced problems in lettering and design, with emphasis on page organization, illustration, and composition of books. Continuation of poster service for college activities.
Prerequisite: Art 15 or Art 115A.
Three one-hour periods per week.
- 120. Flower Arrangement (spring)** **1 unit**
See Art 20.
- 190. Art Education (fall, spring)** **2 units**
Prospective teachers learn the content essential and methods of presentation of art lessons through study, observation and some participation in teaching. May be applied in satisfaction of major and minor requirements in Art.
Prerequisite: Art 1.

BIOLOGICAL AND PHYSICAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN BIOLOGICAL SCIENCES *

LOWER DIVISION

	<i>Units</i>
Biological Sciences	16
(See tabulation of major requirements on p. 61.)	
English	
1A-1B (Composition and Literature)	6
Foreign Languages	10
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Health and Hygiene	
1 (Hygiene)	2
Physical Education	
Activities (one-half unit each semester)	4
Physical Sciences	8
Chemistry 1A (General Chemistry)	5
Physics 10 (Introduction to Modern Physics)	3
Philosophy	
6A-6B (Introduction to Philosophy)	6
Psychology	
1 (General Psychology)	3
Social Sciences	12
Econ. 1A-1B (Principles of Economics)	6
Hist. 4A-4B (History of Western Civilization)	6
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics or History 4A-4B plus six units of upper division History, plus two units of additional lower division social science.)	

UPPER DIVISION

	<i>Units</i>
Biological Sciences	24
(See tabulation of major requirements below.)	
Physical Science	
Chemistry 108 (Organic Chemistry)	3
Political Science	
151 (American Constitutional Government)	2

* For the duration of the war emergency, adjustments in the offerings in Biological and Physical Sciences will be made to suit the demands of the situation.

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major. However, not more than 60 units of work in the Biological and Physical Sciences may apply towards the A.B. degree.

COURSE REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN BIOLOGICAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Biological Sciences, with these additional requirements:

- (a) Education (upper division) _____ 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See pages 40-41.

The total number of units required remains the same, i.e., 120.

COURSE REQUIREMENTS FOR THE A.B. DEGREE

PRE-MEDICAL

LOWER DIVISION

	<i>Units</i>
Biological Sciences _____	8
(See tabulation of major requirements on p. 61.)	
English	
1A-1B (First Year Reading and Composition) _____	6
Foreign Languages _____	16
(In not more than two languages. Two years of the same foreign language in high school will be counted in satisfaction of four units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Physical Education	
Activities (one-half unit each semester) _____	4
Physical Sciences _____	18
(See tabulation of major requirements on p. 61.)	
Philosophy	
6A-6B (Introduction to Philosophy) _____	6
Psychology	
1 (General Psychology) _____	3
Social Sciences _____	12
Econ. 1A-1B (Principles of Economics) _____	6
Hist. 4A-4B (History of Western Civilization) _____	6

UPPER DIVISION

	<i>Units</i>
Biological Sciences -----	12
(See tabulation of major requirements on p. 61.)	
Physical Science -----	12
(See tabulation of major requirements on p. 61.)	
Political Science	
151 (American Constitutional Government) -----	2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a minor in each of two fields to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major. However, not more than 60 units of work in the Biological and Physical Sciences may apply toward the A.B. degree.

TWO-YEAR TERMINAL CURRICULUM IN PHOTOGRAPHY

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Art 1 (Art Structure) -----	2	
Art 2 (Design) -----		2
Art 15 (Lettering) -----	3	
Chemistry 2 (Elem. Inorganic Chemistry) -----	3	
English 1A-1B (Reading and Comp.) -----	3	3
Health & Hyg. 1 (Hygiene) -----		2
History 4A-4B (Western Civilization) -----	3	3
Phys. Educ. (Activities) -----	½	½
Physics 20 (Elementary Photography) -----		2
Elective -----	2	3
	16½	15½

SOPHOMORE YEAR

Art 3 (Art Appreciation) -----	3	
Commerce 2A (Typewriting) -----	2	
Commerce 14A (Accounting) -----	3	
Phys. Educ. (Activities) -----	½	½
Physics 2A-2B (General Physics Lectures) -----	3	3
Physics 21 (Advanced Photography) -----	2 or 3	
Physics 22 (Applied Photography) -----		2 or 3
Pol. Sci. 151 (American Constitutional Government) -----		2
Psychology 1 (General Psychology) -----		3
Speech 1A (Public Speaking) -----		3
Speech 25A (Dram. Workshop—Lighting) -----	2	
Elective -----		2
	15½-16½	15½-16½

TWO-YEAR TERMINAL CURRICULUM IN WILDLIFE MANAGEMENT

This curriculum is designed to prepare students for work on private game farms and for work with the fish and game commissions of the State and Federal governments.

Since students seeking positions in wildlife management will be competing with college graduates who have a four-year A.B. or B.S. degree, it is strongly urged that students take the regular A.B. in Biological Sciences and elect the specialized courses in Wildlife Management.

Recommended Sequence

FRESHMAN YEAR

	Sem. 1	Sem. 2
Botany 4 (Classification of Flowering Plants)-----		3
Chemistry 2 (Elem. Inorganic Chemistry)-----	3	
English 1A-1B (Reading and Comp.)-----	3	3
Health & Hyg. 1 (Hygiene)-----	2	
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
W. M. 10 (Conservation of Wildlife)-----	3	
W. M. 60 (Principles of Wildlife Management)-----		3
Zoology 1A-B (General Zoology)-----	4	4
Pol. Sci. 151-----		2
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Bacteriology 1 (General Bacteriology)-----	5	
Botany 1B (General Botany)-----		4
Botany 110B (Systematic Botany)-----		3
Economics 1A-1B (Principles of Econ.)-----	3	3
Phys. Educ. (Activities)-----	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A (Public Speaking)-----	3	
W. M. 53 (Hatchery Biology)-----		3
W. M. 62 (Diseases of Game Birds)-----	3	
Zoology 165 (Ornithology)-----		3
Elective -----	2	
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major in Biological Sciences</i>	<i>Pre-Medical Major in Biological and Physical Sciences</i>	<i>Junior High School Major in Biological Sciences</i>
Lower Division	Bot. 1A-1B----- 8 units Zool. 1A-1B----- 8 units Recommended electives: Bacteriology 1, Botany 4, Zoology 4, Geology 1A, Physiology 1, Anatomy 66, Anthropology 1.	Zool. 1A-1B----- 8 units Chem. 1A-1B-----10 units Physics 2A-2B----- 6 units Physics 3A-3B----- 2 units	Biol. 10A-10B----- 6 units Bot. 4----- 3 units Zool. 4----- 3 units
Upper Division	Emphasis must be on either Botany or Zoology— Botany emphasis Biol. 114----- 3 units Bot. 110A-110B- 6 units At least 15 units chosen from— Biol. 101----- 3 units Biol. 103----- 2 or 3 units Biol. 199----- 1 to 3 units Bot. 101A-101B- 6 units Bot. 105----- 3 units Bot. 107----- 3 units Bot. 114----- 3 units Zoology emphasis Biol. 114----- 3 units Zool. 112-113--- 6 units At least 15 units chosen from— Biol. 101----- 3 units Biol. 103----- 2 or 3 units Biol. 199----- 1 to 3 units Zool. 104----- 3 units Zool. 160----- 3 units Zool. 165----- 3 units	Biol. 103----- 3 units Biol. 114----- 3 units Zool. 114----- 3 units Zool. 160----- 3 units *Chem. 105----- 3 units Chem. 108-109--- 6 units *Chem. 102 or 110- 3 units *If not offered at Humboldt, may be taken elsewhere at Summer Session.	12 units of U. D. Biology, Botany, or Zoology
Total units required	40 units	50 units	24 units

	<i>Biology Minor</i>	<i>Botany Minor</i>	<i>Zoology Minor</i>
Lower Division	Biology 10A-10B-6 units	Botany 1A-1B-----8 units or Biology 10A-10B-----6 units and Botany 4-----3 units	Zoology 1A-1B-----8 units or Biology 10A-10B-6 units and Zoology 4-----3 units
Upper Division	6 units chosen from— Biology 101-----3 units Biology 114-----3 units Botany 114-----3 units Botany 107-----3 units Botany 110A-110B 6 units Zoology 165 -----3 units	6 units chosen from— Any U. D. Botany course Biology 114-----3 units The Biology minor is recommended for credential candidates but is not advised for students planning to transfer to or do graduate work at a university.	6 units chosen from— Any U. D. Zoology course Biology 101-----3 units Biology 114-----3 units
Total units required	12 units	14 or 15 units	14 or 15 units

DESCRIPTION OF COURSES

Biological Sciences

*Anthropology****1A. General Anthropology (spring) 3 units**

An account of the origin and development of human races, the nature of man, and his place in the biological world.

Three one-hour periods per week.

*Bacteriology***1. General Bacteriology (fall) 5 units**

Morphology, physiology, and classification of bacteria, yeasts and molds. Laboratory training in micro-technique, preparation of culture media, sterilization, inoculation, identification. Bacteriology of air, water, soil, and dairy products. The rudiments of infection and bacterial diseases.

Three one-hour lecture and two three-hour laboratory periods per week.

Biology

LOWER DIVISION

***10A-10B. General Biology (year) 3-3 units**

An outline of the main facts and principles of plant and animal life. Lectures and demonstrations on the fundamental properties of living things; their functions, structures, classifications, life histories, and relation to human life.

Two one-hour lecture periods and one three-hour laboratory period per week.

UPPER DIVISION

Prerequisite to all upper division Biology courses is either Biology 10A-10B, Botany 1A-1B, or Zoology 1A-1B.

***101. Marine Biology (summer session) 3 units**

A study of the habits, classification, development, and adaptations of marine life, with particular reference to conditions of the Humboldt coast.

Two one-hour lectures and one three-hour laboratory period or field trip per week.

***103. Micro-Technique (fall) 2 or 3 units**

Preparation of plant and animal tissue for microscopical study, including killing, fixing, staining, and sectioning methods.

Two or three three-hour periods per week.

***114. Heredity and Evolution (fall) 3 units**

The facts of heredity and Mendel's laws with the application of these laws to plants and animals, including man, are taken up through lectures and assigned reading. Study is made of the various theories of evolution.

Three one-hour periods per week.

190. Elementary School Science (fall) 2 units

Objectives, methods, and content of the elementary school science program.

Two one-hour periods per week.

* Not given 1945-46.

199. Special Problems (fall, spring)

1-3 units

Open to majors in Biological Sciences. Student and problem to be approved by the department. Student carries on independent study and investigation in consultation with instructor assigned to him.

Botany

NOTE.—Arcata is an excellent location for all kinds of botanical study. Ocean reefs are located within four miles, a heavy coniferous forest adjoins the campus on the east, and within forty miles horizontal travel one may reach all altitude ranges from sea level to five thousand feet.

Botany courses are fundamental courses to all students in the plant sciences and are basic courses for such occupations as the following: Plant Pathologist, Bacteriologist, Forester, Forest Pathologist, Farm Adviser, High School Science Teacher, Agriculturist, Nurseryman, Landscape Gardener or Architect, Florist, Seedsman, Horticulturist, etc.

The facilities of the department include well equipped laboratories, an herbarium of local flora, and a greenhouse.

LOWER DIVISION

1A-1B. General Botany (year)

4-4 units

First semester: The fundamentals of the morphology and physiology of flowers, fruit, seeds, seedlings, roots, stems, and leaves.

Second semester: Lower orders of plants, introduction to the taxonomy of the flowering plants.

Field trips will be made to points near the College, and a large part of the material used in the laboratory will be collected by the students.

Two one-hour lecture and two three-hour laboratory periods per week.

†4. Classification of Flowering Plants (spring)

3 units

Lectures on the principles of classification; laboratory exercises on plant structure; practice in determinations by means of a manual.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses in Botany is Botany 1A-1B, or Biology 10A-10B and Botany 4.

***101A-101B. Mycology (year)**

3-3 units

First semester: Morphology, taxonomy, and parasitism of representative genera of fungi. Phycomycetes and Ascomycetes. Field work on conspicuous Basidiomycetes not likely to be found in the spring.

Second semester: Basidiomycetes and fungi imperfecti.

One lecture and two three-hour laboratory periods per week.

***105. Plant Anatomy (fall)**

3 units

The meristems and development of cell types, tissues, and tissue systems of vascular plants.

Two three-hour periods per week.

* Not given 1945-46.

† Given if sufficient demand.

107. Plant Ecology (fall)**3 units**

A general survey of plants and plant associations in relation to environment. Particular attention will be given to the study of successional and habitat factors as determining the local distribution of native plants as well as an adaptation of native plants to this area.

Three one-hour periods per week.

†110A-110B. Plant Taxonomy (year)**3-3 units**

First semester: A study of the forest trees and shrubs, with field identification, and a critical study of the characters and habits of gymnosperms.

Second semester: A study of representative orders of flowering plants; their habits, growth, structure, classification, and geographical distribution.

One one-hour lecture and two three-hour laboratory periods per week.

114. Advanced Ornamental Plants (spring)*3 units**

Study of the more common ornamental trees and shrubs, with principles of landscaping. Greenhouse work in various methods of propagation, potting, culture, etc.

One lecture and two three-hour laboratory periods per week.

Physiology and Anatomy**1. Elementary Physiology (spring)****5 units**

A general introductory course on human physiology.

Three one-hour lecture and two three-hour laboratory periods per week.

66. Human Anatomy (fall)**3 units**

Demonstration and laboratory study of human dissections, models, and prepared microscopic slides. Designed particularly for nurses and Physical Education majors.

Prerequisite: Zoology 1A.

One one-hour lecture and two three-hour laboratory periods per week.

Wildlife Management**10. Conservation of Wildlife (fall)****3 units**

Conservation of fishes, birds, mammals, and the related associations of fields, forests, and waters. A survey of scientific methods applied to conservation. Field trips to conservation projects being undertaken in the immediate region.

Three one-hour periods per week.

†53. Hatchery Biology (spring)**3 units**

A study of the problems involved in the artificial propagation of fishes, with practical work on salmonoid fishes in the College hatchery.

Two one-hour periods per week and additional work in the hatchery.

* Not given 1945-46.

† Given if sufficient demand.

60. Principles of Wildlife Management (spring) 3 units

A general survey of wildlife management practices. Some field work is done with local game animals. Students also receive practical experience in brooding, rearing, and releasing pheasants and quail.

Three one-hour periods per week.

***62. Diseases of Game Birds (fall) 3 units**

Three one-hour periods per week.

Zoology

LOWER DIVISION

1A-1B. General Zoology (year) 4-4 units

A year course dealing with principles of animal biology together with a review of representative animal forms.

Two one-hour lecture and two three-hour laboratory periods per week.

***4. Animal Classification (fall) 3 units**

Elementary classification and natural history of the common vertebrates and invertebrates; life histories and methods of conservation. Emphasis is on the animal life of the Humboldt bay region. Designed for teaching credential candidates who do not elect Zoology 1A.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION

Prerequisite to all upper division courses is Zoology 1A-1B, or Biology 10A-10B and Zoology 4.

†104. Field Zoology (fall) 3 units

Collection, identification, and preservation of common invertebrates and vertebrates of Humboldt Bay region. Discussion of ecological relationships. Each student works on an individual problem.

Two one-hour lecture and one three-hour laboratory periods per week.

†112. Invertebrate Zoology (fall) 3 units

A study of animals without backbones, with special reference to the natural history and classification of the animals of the seashore.

Two one-hour lecture and one three-hour laboratory periods per week.

113. Natural History of Vertebrates (spring) 3 units

Natural history of the birds, mammals, reptiles, amphibians, and fishes. Identification of species, study of habitat, preferences, behavior, distribution, and classification.

Two one-hour lecture and one three-hour laboratory periods per week.

***114. Comparative Anatomy of Vertebrates 3 units**

Two one-hour lecture and one three-hour laboratory periods per week.

* Not given 1945-46.

† Given if sufficient demand.

160. Embryology (spring)*3 units**

The maturation of egg and sperm; fertilization; and the early development of the amphibian, chick, and mammal.

One one-hour lecture and two three-hour laboratory and demonstration periods per week.

165. Ornithology (spring)*3 units**

A study of birds, which includes classification, life histories, migration, habits, and special modifications. Identification of birds in field and laboratory.

Two one-hour lecture and one three-hour laboratory periods per week.

Physical Sciences***Chemistry*****LOWER DIVISION****1A-1B. General Chemistry (year)****5-5 units**

The fundamental concepts of chemistry, with emphasis on the relation of chemical behavior to atomic structure.

Prerequisites: High school chemistry or Chemistry 2, and at least two years of high school mathematics.

Three one-hour lecture and two three-hour laboratory periods per week.

2: Elementary Inorganic Chemistry (fall)*3 units**

A general survey of inorganic chemistry for those who need only an elementary knowledge of the subject, such as nurses and majors in home economics, wildlife management, photography, etc. Lectures and demonstrations.

Two one-hour lecture periods and one two-hour laboratory-demonstration period per week.

UPPER DIVISION**†108. Organic Chemistry Lectures (spring)****3 units**

A survey of the carbon compounds.

Prerequisite: Chemistry 1A-1B or Chemistry 2.

Three one-hour lecture periods per week.

†109. Organic Chemistry Laboratory**3 units**

Study of the carbon compounds in the laboratory. Taken concurrently with or after Chemistry 108.

Three three-hour laboratory periods per week.

Geology***1A. General Geology (fall)****3 units**

A survey of the nature and structure of the material composing the earth and of the various processes which have shaped or are still shaping the earth.

Three one-hour periods per week and field trips.

* Not given 1945-46.

† Given if sufficient demand.

Physics

- †1A-1B. Physics (year) 3-3 units
 First semester: The elementary principles of mechanics.
 Second semester: Heat, radiation, elementary principles of meteorology, and the properties of matter.
 Prerequisites: Three years of high school mathematics, including trigonometry (which may be taken concurrently).
 Two one-hour lecture and one three-hour laboratory periods per week.
- *1C-1D. Physics (year) 3-3 units
 First semester: Electricity and magnetism.
 Second semester: Sound and light.
 Prerequisites: Physics 1A-1B.
 Two one-hour lecture and one three-hour laboratory periods per week.
- †2A-2B. General Physics Lectures (year) 3-3 units
 A general survey of physics for non-engineering students. Less emphasis is placed on the quantitative aspect of the subject and the mathematical treatment is minimized.
 Three one-hour lecture, discussion, and demonstration periods per week.
- †3A-3B. General Physics Laboratory (year) 1-1 unit
 Experimental work in mechanics, properties of matter, heat, sound, light, magnetism, and electricity. To accompany Physics 2A-2B.
 One three-hour laboratory period per week.
10. Physical World (spring) 4 units
 A course dealing with the nature of matter and energy. General topics discussed during the course and illustrated with lecture experiments are planetary and stellar astronomy heat, light, sound, electricity, and atomic structure.
 Four one-hour periods per week.
- †20. Elementary Photography (spring) 2 units
 Lectures on the optical principles, the chemistry of printing and developing, the technique of exposure. Laboratory work includes practice in dark-room techniques. Limited to fifteen students.
 One one-hour lecture and one three-hour laboratory periods per week.
- *21. Advanced Photography (fall, spring) 2 or 3 units
 Qualified students undertake work along various specialized lines.
 Prerequisite: Physics 20 and consent of the instructor.
 Hours to be arranged.
- *22. Applied Photography (fall, spring) 2 or 3 units
 Students are placed in commercial photographic studios where experience under actual working conditions may be secured.
 Open to a limited number of specially qualified students.
 Hours to be arranged.

* Not given 1945-46.

† Given if sufficient demand.

30. Elementary Meteorology (fall)*3 units**

Absorption and distribution of solar energy; structure and dynamics of the atmosphere; and methods of recording and predicting the weather. Designed especially for students in aeronautics.

Three one-hour periods per week.

CIVIL ENGINEERING

See Mathematics and Philosophy, Division of Civil Engineering.

* Not given 1945-46.

COMMERCE

Programs are designed for students who wish to obtain an A.B. Degree in Economics and Business Administration (see p. 117), for those who are preparing to teach business subjects in high schools or colleges, and for those interested in training for immediate employment in business. Transfer from one of these curricula to another may usually be effected with little difficulty.

PRE-SECONDARY CURRICULUM IN BUSINESS EDUCATION

This curriculum is directed towards an A.B. degree with a major and Special Secondary Credential in Business Education. To complete the work for the degree and credential the student will have to transfer to another institution equipped to give the fourth year required to complete this curriculum.

The State requires 1000 hours or six months of acceptable business experience.

RECOMMENDED SEQUENCE

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Units</i>		<i>Units</i>
Com. 2 (Typewriting)-----	2	*Com. 2 (Typewriting)-----	2
Com. 5 (Bus. Machines) } or Com. 1A--	5	*Com. 14B (Accounting)-----	3
Com. 14A (Accounting)-----		Com. 21 (Business Math.)-----	3
Biol. 10A (General Biology)-----	3	Biol. 10B (General Biology)-----	3
Eng. 1A (Composition)-----	3	Eng. 1B (Reading and Composition)-----	3
Geog. 2 (Human Geog.)-----	2	Physical Education-----	$\frac{1}{2}$
Physical Education-----	$\frac{1}{2}$	Speech 1A (Public Speaking)-----	3
	15 $\frac{1}{2}$		17 $\frac{1}{2}$

SOPHOMORE YEAR

Com. 1A or {Com. 14A}-----	5	Com. 1B (Shorthand II)-----	5
Art 15. (Lettering)-----	3	Econ. 1B (Principles of Econ.)-----	3
Econ. 1A (Principles of Econ.)-----	3	Psych. 1 (General Psychology)-----	3
Natural Science-----	4	Speech 1B (Public Speaking)-----	3
Physical Education-----	$\frac{1}{2}$	Natural Science-----	4
	15 $\frac{1}{2}$	Physical Education-----	$\frac{1}{2}$
			18 $\frac{1}{2}$

JUNIOR YEAR

Com. 40 (Commercial Law I)-----	3	Com. 41B (Bus. Eng.)-----	3
Com. 50 (Salesmanship)-----	2	Com. 130 (Commercial Law II)-----	3
Econ. 40 (Elem. Stat. Methods)-----	3	Com. 134 (Marketing)-----	3
Econ. 113 (Econ.-Soc. Hist. U. S.)-----	3	Econ. 120 (Bus. Organization)-----	3
Econ. 135 (Money and Banking)-----	3	Educ. 110 (Educ. Psychology)-----	3
H. H. 1 (Hygiene)-----	2	Pol. Sci. 151 (Amer. Const. Govt.)-----	2
	16		17

* If necessary, Com. 1B may be taken in the freshman year instead of Typewriting and Accounting.

CURRICULA IN COMMERCIAL TRAINING

The College offers three two-year terminal curricula in Commercial Training. (1) A thorough course in Secretarial Training prepares students for stenographic or secretarial positions. (2) Students seeking training in the essential skills and a knowledge of business may enroll in a General Business curriculum. (3) The Merchandising curriculum provides some degree of specialization for students wishing to enter that field of business.

The student electing any one of these curricula must complete a minimum of 60 semester units of college work and must maintain a scholarship average of C in order to receive the two-year diploma.

Plans are being made for part-time work in Eureka and Arcata business houses. The service clubs of these cities will supply speakers for special lectures to be given to vocational students. These lectures will be given by successful business men and will cover the various fields of business.

Practical experience will be provided through the cooperation of business and professional employers. During the school year, commercial students will be given opportunities to try themselves out in actual employment situations under supervision of the Department of Commerce.

Course Requirements for Commercial Training Curricula

Suggested Sequence

FRESHMAN YEAR

First Semester

Subjects	Units		
	Secretarial Training	General Business	Merchandising
Commerce 1A or 1B (Shorthand I or II)-----	5	--	--
Commerce 2A, 2B or 5 (Type. I or II, or Mach. Cal.)--	2	2	2
Commerce 4 (Spelling)-----	1	1	1
Commerce 40 or 50 (Commercial Law or Salesmanship)-	3 or 2	3 or 2	3 or 2
Commerce 41A (Business English)-----	3	3	3
Orientation 1-----	1	1	1
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Speech 1A (Public Speaking)-----	--	3	3
Elective-----	1 or 2	3 or 4	3 or 4
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1B or 1C (Shorthand II or III)-----	5	--	--
Commerce 2B or 2C (Typewriting II or III)-----	2	2	2
Commerce 12 (Bookkeeping) or elective ¹ -----	3	3	3
Commerce 21 (Business Mathematics)-----	3	3	3
Commerce 41B (Business English)-----	3	3	3
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	--	3
Speech 1B (Public Speaking)-----	--	3	--
Electives-----	--	2	2
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

¹ Commerce 5 recommended.

SOPHOMORE YEAR

First Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Art 15 (Lettering)-----	--	--	3
Commerce 1C or 1D (Shorthand III or IV)-----	5	--	--
Commerce 2C, 2D, or 5 (Type, III or IV or Mach. Cal.)	2	--	--
Commerce 14A (Accounting)-----	3	3	3
Commerce 50 or 40 (Salesmanship or Commercial Law I)	2 or 3	2 or 3	2 or 3
Commerce 71 (Dictation and Transcription)-----	2	--	--
Economics 1A (Principles of Economics)-----	--	3	3
Health and Hygiene 1 (Hygiene)-----	--	--	2
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 (General Psychology)-----	--	3	--
Commerce 5 or electives-----	1 or 2	5 or 4	3 or 2
Totals-----	16 $\frac{1}{2}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$

Second Semester

Subjects	Secretarial Training	Units	
		General Business	Merchandising
Commerce 1D (Shorthand) or Electives-----	5	--	--
Commerce 2D or 5 (Typewriting IV or Business Machines)	2	--	--
Commerce 14B (Accounting)-----	3	3	3
Commerce 69 (Secretarial Training)-----	3	--	--
Commerce 130 or 134 (Business Law II or Marketing)---	--	3	3
Economics 1B (Principles of Economics)-----	--	3	3
English 1A (Composition)-----	3	--	--
Physical Education-----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 (American Constitutional Gov't)---	--	--	2
Speech 1B (Public Speaking)-----	--	--	3
Electives-----	--	6	2
Totals-----	16 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$
Total units required-----	60	60	60

Suggested electives: Commerce 4, 5, 12, 40, 50, 134; Economics 113; English 1A; Health and Hygiene 1; Home Economics 3; Psychology 1; Speech 1A, 1B. Students who contemplate the possibility of transferring later to a four-year degree curriculum would do well to choose some electives in the biological and physical sciences.

SPECIAL ONE-YEAR CURRICULUM IN COMMERCIAL TRAINING

Although the College emphasizes the desirability of completing the two-year program wherever possible, a one-year program has been developed to meet the needs of those students, in particular, who have completed satisfactorily two years of high school work in shorthand and typing.

	Recommended Sequence	Sem. 1	Sem. 2
Commerce 1B-1C (Shorthand II or III) -----		5	5
Commerce 2B-2C (Typing II or III) -----		2	2
Commerce 41A-41B (Business English) -----		3	3
Commerce 4 (Spelling) -----		1	
Commerce 14A-14B (Accounting) -----		3	3
Commerce 69 (Secretarial Training) -----			3
Commerce 71 (Dictation and Transcription) -----		2	
Physical Education Activity -----		$\frac{1}{2}$	$\frac{1}{2}$
		<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts Major in Economics and Business Administration</i>	<i>Minor in Commerce</i>
Lower Division	See tabulation under Department of Social Sciences, p. 120 Includes Commerce 14A-14B ---- 6 units Commerce 40 ----- 3 units	Commerce 40 ----- 3 units Additional L. D. Commerce ----- 3 units
Upper Division	See tabulation under Department of Social Sciences, p. 120 Includes Commerce 130 ----- 3 units Commerce 134 ----- 3 units	Commerce 130 ----- 3 units Commerce 134 ----- 3 units
Total units required	42 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Shorthand I (fall, spring) 5 units

Introduction to Gregg Shorthand. A thorough study of the Gregg System (Anniversary Edition). Functional principles, penmanship, and phrasing.

Five one-hour periods per week.

1B. Shorthand II (fall, spring) 5 units

Beginning intensive theory. Development of speed in writing and transcription, particular attention being given to word building that develops new vocabulary. Includes a course in secretarial training and office practice.

Prerequisite: Commerce 1A or its equivalent.

Five one-hour periods per week.

1C. Shorthand III (fall, spring)

5 units

An intensive dictation course. This course will include dictation and transcripts, covering vocabularies of representative businesses, such as banking law, insurance, retail lumber; advanced dictation on news articles and legal forms.

Prerequisite: Commerce 1B or its equivalent.

Five one-hour periods per week.

1D. Shorthand IV (fall, spring)

5 units

Speed building drills, speed building letters, sustained dictation, vocabulary previews, vocabulary, analysis, word studies, vocational dictation, speed-progression tests—in brief, a systematic speed course for advanced writers.

Prerequisite: Commerce 1C or its equivalent.

Five one-hour periods per week.

2A. Typewriting I (fall, spring)

2 units

A skill subject designed to teach the fundamentals of touch typing in the shortest possible time.

Six one-hour periods per week.

2B. Typewriting II (fall, spring)

2 units

Advanced technique and practice. Stress will be placed upon the Tiger Stroke, grading, budgeting, proper care of machine, prevention of bad habits in typewriting, remedial typewriting, letter writing, carbon copies, addressing envelopes, continuity, rhythm, and music.

Prerequisite: Commerce 2A or its equivalent.

Six one-hour periods per week.

2C. Typewriting III (fall, spring)

2 units

Expert typing drills, tabulating, billing, problems involving the working out of real office jobs under office conditions.

Prerequisite: Commerce 2B or its equivalent.

Six one-hour periods per week.

2D. Typewriting IV (fall, spring)

2 units

Advanced drills for accuracy and speed; law office typing.

Prerequisite: Commerce 2C or its equivalent.

Six one-hour periods per week.

4. Spelling (fall)

1 unit

A study of words used in business and industry with special drill on those commonly misspelled.

Two one-hour periods per week.

5A,B. Business Machines (fall)

2 units

An intensive study of modern office machinery, including adding and calculating machines. The purpose of this course is to train commercial teachers and to meet the demand of present-day business life for skilled operators.

Six one-hour periods per week.

12. Bookkeeping (spring)**3 units**

An introductory course in present-day theory and practice. Designed for those students with an employment objective who desire practical training in bookkeeping.

Three one-hour periods per week.

14A-14B. Principles of Accounting (year)**3-3 units**

First semester: An introduction to the study of accounting. The mechanics of bookkeeping, balance sheet approach, including the general journal, specialized journals, posting, trial balances, columnar working sheets, closing entries, balance sheets, and profit and loss statements.

Second semester: A study of corporate accounting, the voucher system, accounting for manufacturing, cost accounting, branch-department accounting, nonprofit organizations, accounting for creditor control, analysis and interpretation of financial statements, managerial aspects of accounting.

Prerequisite: Commerce 12 or its equivalent.

Three one-hour periods per week.

21. Business Mathematics (spring)**3 units**

Designed to give students a workable conception of the fundamental principles of the mathematics of business. The principles and processes of simple and compound interest, simple and successive trade discount, bank discount, and annuities are taught by means of practical problems.

Three one-hour periods per week.

40. Commercial Law I (fall)*3 units**

A study of the underlying principles of law as applied to business. Special emphasis will be given to contracts and torts, sales, agency, real property, negotiable instruments, insurance, wills, and bailments.

Three one-hour periods per week.

41A-41B. Business English (year)**3-3 units**

Fundamentals of grammar and sentence structure; punctuation; personal letters; the letter in business; telegrams; memorandums; reports; advertising; spoken English; the art of proof reading. Special drills and tests will be given to correct common errors in written and spoken English.

Three one-hour periods per week.

50. Salesmanship (fall)**2 units**

The personality and training of the salesman, sales analysis, interviews, steps in selling, the approach, arousing interest, producing conviction, creating desire, buying motives, closing the sale. Textbook, educational trips, and lectures.

Two one-hour periods per week.

* Not given 1945-46.

69. Secretarial Training (spring)

3 units

The course is based on an activity program making performance in an actual business situation the major objective. A study is made of Form and Follow-up Letters, Telegraphic, Cable, and Radio Service, Banking and Financial Duties, Instruments of Credit, Office Machines and Appliances. Practical secretarial problems involving personality studies and business etiquette; the telephone, transportation, interviewing callers, keeping business calendars; and sources of material on business subjects.

Prerequisite: Commerce 2B and 41A-41B.

Nine one-hour periods per week.

71. Dictation and Transcription (fall)

2 units

Essential points of English, style, and interpretation of 75,000 words of practice material all in shorthand. This course includes extensive dictation. Students are taught to check the spelling or division of every doubtful word and to refuse to transcribe a sentence if it does not "make sense."

Prerequisite: Commerce 1C or its equivalent.

Six one-hour periods per week.

UPPER DIVISION

***130. Commercial Law II (spring)**

3 units

Civil Code of California; corporation law; law of personal and real property, carriers, trademarks, copyrights, bailments; and law of bankruptcy. Textbook, cases, and lectures.

Prerequisite: Commerce 40.

Three one-hour periods per week.

134. Marketing (spring)

3 units

The organization and management of markets. A survey of the activities involved in transferring manufactured goods and agricultural products from producer to consumer.

Prerequisite: Upper division status.

Three one-hour periods per week.

* Not given 1945-46.

EDUCATION AND TEACHER TRAINING

REQUIREMENTS FOR THE A.B. DEGREE WITH A CREDENTIAL

Credential curricula offered. The College offers curricula leading to the Kindergarten-Primary Credential, the General Elementary Credential, the General Junior High School Credential, the special Secondary Credential in Physical Education, the Elementary School Administration Credential, and the Elementary School Supervision Credential. Ordinarily neither the Kindergarten-Primary curriculum nor the General Junior High School curriculum is taken independently of the General Elementary curriculum, for either credential by itself is not practical in the northwestern part of the State.

Units required. For the A.B. degree with one credential 120 units are required. Not more than 40 units in Education or any one subject field may be applied toward a credential. For each additional credential 12 more units are required, with the further stipulation that if the basic course pattern can be satisfied with less than 12 additional units, the difference must be taken in electives in nonprofessional fields of study.

If a candidate for a credential already possesses an A.B. degree, the minimum residence requirement is 24 units completed at this College. Of these 24 units not more than 12 may be taken in the extension division of the College.

Physical examination. Candidates for a teaching credential must pass a physical examination by the college physician before receiving the credential.

Citizenship. Only United States citizens may become candidates for long-term teaching credentials. Foreigners who have filed their first papers are eligible to apply for short-term credentials. Failure to complete the naturalization process within six months of the date of eligibility will result in the revocation of the credential. After a foreigner has become naturalized, he may qualify for a long-term credential.

Fundamentals. All candidates for a credential are required to show an everyday working knowledge of the fundamental subjects in the elementary school curriculum—English grammar, arithmetic, history, geography, and spell-

ing. Standardized tests in these subjects are given in the class in Education 133. A satisfactory score in these achievement tests is prerequisite to Education 320, 321, 322, and 323.

Majors and minors. Candidates for all teaching credentials must complete a major in Education. In addition, candidates for the General Elementary and the Kindergarten-Primary Credentials must complete a major in Education and two minors. Candidates for the General Junior High School Credential are required to complete a major in Education, a major in a subject field taught in junior high school, and one minor. Candidates for the Special Secondary Credential in Physical Education complete a major in Physical Education, and minors in Education and a subject field. When this credential is taken in conjunction with another credential, the student completes a major in Education instead of a minor. The list of available majors and minors is found on pages 42-43.

Scholarship. In addition to the requirement of a scholarship average of C for graduation with the A.B. degree, the College requires that candidates for a teaching credential maintain a general scholarship average of C and a grade of C or better in all courses in Education taken before enrolling in Education 133, 134, 192, 310, 320, 321, 322, and 323. Candidates for the General Junior High School Credential must maintain an average of C also in the teaching major and minor.

In their student teaching candidates must do satisfactory work, i.e., equivalent to a grade of C or better. If a student teacher falls short of the required standards, he or she will be given an Incomplete and allowed another semester's trial. If the second semester's work is unsatisfactory, it may be assumed that the candidate lacks the requisite qualities for successful teaching. However, every effort is made to ascertain whether or not a candidate possesses these qualities before allowing him to undertake student teaching. Only a grade of + or F is given for student teaching; no letter grades are given. The units of the student teaching courses do not figure in the calculation of the candidate's scholarship index.

Student teaching. Before being permitted to undertake student teaching a candidate for a teaching credential must have given evidence of (a) an adequate knowledge of the fundamentals, (b) the personal qualities essential to success and desirable in a teacher, and (c) physical fitness.

Student teaching offers a highly profitable experience to the prospective teacher. In order to increase his or her chances for success and to minimize possible discouragement the student is brought gradually to his classroom responsibilities. In the preparatory courses in Education an attempt is made wherever possible to relate theory to the schoolroom activities, with the College Elementary School as the laboratory. This is especially true in Child Growth and Development, Elementary School Curriculum, Observation, and Elementary School Art, Music, and Physical Education. The prospective teacher is enabled thereby, before undertaking supervised teaching in the Elementary School, to familiarize himself with classroom conditions, procedures, and activities, with the books and materials of the classroom, and with the habits and learning processes of children. Then, in either semester of the senior year the prospective teacher teaches under trained supervisors for three and one-half hours a day. Nine weeks is spent teaching a lower grade and nine weeks an upper grade.

Concurrently with student teaching, the prospective teacher takes Rural Education and Philosophy of Education. Wherever possible no other classes are to be taken during the semester that the student is doing directed teaching.

Required Courses. The courses required for the several credentials are listed in the following recommended sequences.

Course Requirements for A.B. Degree With Teaching Credential

The sequence of required courses listed on the following pages is not inflexible, but is suggested as the one which eliminates program conflicts. Courses which are offered both semesters may be taken out of sequence without creating serious program conflicts. *Courses offered only once during the year should be taken in the semester recommended in the sequence.*

FRESHMAN YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 10A ¹ -----	3	3	3	--
English 1A* -----	3	3	3	3
Health and Hygiene 1 -----	2	2	2	2
History 4A -----	3	3	3	3
Orientation 2 -----	1	1	1	1
Phys. Educ. 5 or 15 -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. Activity -----	--	--	--	$\frac{1}{2}$
Zoology 1A ² -----	--	--	--	4
Elective -----	3	3	3	2
Totals -----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 1 -----	--	--	--	2
Biology 10B ¹ -----	3	3	3	--
English 1B -----	3	3	3	3
Health and Hygiene 55 -----	--	--	--	2
History 4B -----	3	3	3	3
Music 10* -----	3	3	3	--
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Physiology 1 ² -----	--	--	--	5
Elective or Minor -----	3	3 (or Major)	3	--
Totals -----	15 $\frac{1}{2}$	15 $\frac{1}{2}$	15 $\frac{1}{2}$	16

* Subject requirement may be satisfied by examination; no unit credit.

¹ Students minoring in Botany or Zoology substitute Botany 1A-1B or Zoology 1A-1B for Biology 10A-10B.

² Students taking Special P. E. in combination with either General Elementary or General Junior High School Credential, take Zoology 1A and Physiology, but not Biology 10A-10B.

SOPHOMORE YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Anatomy 66 -----	--	--	--	3
Art 1 -----	2	2	2	--
Economics 1A -----	3	3	3	3
Geology 1A ¹ -----	3	3 ²	3	--
Music 10* -----	--	--	--	3
Music 60A -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	--
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Psychology 1A -----	--	--	3	--
Speech 1A* or 2A -----	--	--	--	3
Elective -----	6	6 (or Major)	3	2
Totals -----	15	15	15	15

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Economics 1B -----	3	3	3	3
English 78 -----	--	--	3	--
Geography 2* -----	2	2	2	2
Psychology 1 -----	3	3	--	3
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
Phys. Educ. 192B or 193B -----	--	--	--	2
Physics 10* -----	3	3 ²	3	3
Speech 1A or 2A -----	3	3	3	--
Elective -----	--	--	2	--
Music Examination -----	--	--	See Adviser	--
Totals -----	14 $\frac{1}{2}$	14 $\frac{1}{2}$	16 $\frac{1}{2}$	14

* Subject requirement may be satisfied by examination; no unit credit.

¹ Botany minors substitute Zoology 4 and Zoology minors Botany 4 for Geology 1A.

² Home Economics majors substitute Chemistry 2 for Geology 1A or Physics 10.

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Industrial Education 15 -----	--	--	2 or 3	--
Elective or Minor or Major -----	--	6	4 or 3	--
Totals -----	--	6	6	--

JUNIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Biology 190 ¹ -----	2	2	2	--
Education 110 -----	2	2	2	2
Education 111 -----	3	3	3	3
Education 193 -----	--	--	2	--
Industrial Education 15 or 51 -----	3	3	--	--
Mathematics 20* -----	2	2	2	--
Phys. Educ. 151 -----	--	--	--	2
Phys. Educ. 175 -----	--	--	--	3
Phys. Educ. 190 -----	1	1	1	--
Phys. Educ. 192A or 193A -----	--	--	--	2
Phys. Educ. 199 -----	--	--	--	2
Elective or Minor -----	3	3 (or Major)	3	--
Totals -----	16	16	15	14

¹ Majors and minors in Biological Sciences are not exempt from this required course.

* Subject requirement may be satisfied by examination; no subject credit.

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Art 190 -----	2	2	2	--
Education 133 -----	--	--	4	--
Education 134 -----	--	--	2	--
Education 170 -----	--	2	--	--
Education 310 -----	--	--	2	--
English 78 -----	3	3	--	--
Music 190 -----	2	2	2	--
Phys. Educ. Activity -----	--	--	--	$2\frac{1}{2}$
Phys. Educ. 152 -----	--	--	--	2
Phys. Educ. 190 -----	--	--	--	1
Phys. Educ. 199 -----	2	2	2	2
Elective or Minor -----	6	3	--	10
Totals -----	15	14	14	15 $\frac{1}{2}$

SUMMER SESSION

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Elective or Minor or Major -----	--	6	6	--
Totals -----	--	6	6	--

SENIOR YEAR

First Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 133 -----	4	4	--	--
Education 134 -----	2	2	--	--
Education 195 -----	--	--	2	--
Education 310 -----	2	2	--	--
Education 321 -----	--	--	6	--
Education 322 -----	--	--	--	2
Education 323 -----	--	--	--	2 or 4
Phys. Educ. Activity -----	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Phys. Educ. 176 -----	--	--	--	2
Phys. Educ. 198 -----	--	--	--	2
Political Science 151 -----	2	2	2	2
Elective or Minor -----	4	5	4	4 or 2
Totals -----	14 $\frac{1}{2}$	15 $\frac{1}{2}$	14 $\frac{1}{2}$	14 $\frac{1}{2}$

Second Semester

Subjects	Units			
	Gen. Elem.	Gen. Elem. and Gen. Jr. H. S.	Gen. Elem. and Kinder.-Prim.	Special P.E.
Education 124 -----	2	2	2	2
Education 137 -----	2	2	2	--
Education 320 -----	10	10	10	--
Phys. Educ. Activity -----	--	--	--	$\frac{1}{2}$
Elective or Minor -----	--	--	--	12
Totals -----	14	14	14	14 $\frac{1}{2}$
Total Required Units -----	120	132	132	120

MAJOR REQUIREMENTS

ALL UPPER DIVISION

A major in Education is required for the General Elementary, General Junior High School, and Kindergarten-Primary credentials. The basic requirements common to all for the Education major are as follows:

Ed. 110-----	2 units	Ed. 134-----	2 units
Ed. 124-----	2 units	Ed. 310-----	2 units
Ed. 133-----	4 units	Ed. 320-----	10 units

Additional requirements for specific credentials are as follows:

<i>General Elementary</i>		<i>General Junior High School</i>	<i>Kindergarten-Primary</i>
Ed. 111-----	3 units		Ed. 111----- 3 units
Ed. 137-----	2 units		Ed. 137----- 2 units
		Ed. 170----- 2 units	
			Ed. 192----- 3 units
			Ed. 321----- 6 units
			Approved courses-- 6 units

Total units required

For General Elementary alone-----	27 units
For General Junior High School (rarely given alone)-----	24 units
For General Elementary-Junior High School-----	29 units
For General Elementary-Kindergarten-Primary-----	42 units
For Special Secondary in Physical Education-----	16 to 18 units

DESCRIPTION OF COURSES

Education

UPPER DIVISION

110. Educational Psychology (fall, spring) **2 units**

(Please see Child Growth and Development)

Taken concurrently with Education 111.

Two one-hour periods per week.

111. Child Growth and Development (fall, spring) **3 units**

This course is combined with Educational Psychology. It is a study of child behavior planned to give a scientific basis for living with children in the classroom. A comprehensive case study of an elementary school child is required. The case study involves several hours of observation of the child in various phases of the school program; analysis of cumulative guidance records; interviews with the child and individuals concerned with his welfare.

Taken concurrently with Education 110.

Three one-hour periods per week.

124. Philosophy of Education (fall, spring) **2 units**

The major theories of learning and present-day practices in the light of a democratic ideal.

Taken concurrently with Education 320.

Two one-hour periods per week.

133. The Elementary School Curriculum¹ (fall, spring) 4 units

This course gives prospective teachers a comprehensive overview of teaching in the elementary school. It covers such topics as courses of study; units of work; methods; materials; discipline, etc.

Taken concurrently with Education 134 and 310.

Four one-hour periods per week.

134. Elementary School Reading¹ (fall, spring) 2 units

Provides the prospective teacher with definite activities for the teaching of reading in the modern elementary school.

Taken concurrently with Education 133 and 310.

One two-hour period per week.

137. Rural Education (fall, spring) 2 units

This course sets forth the problems in connection with rural education, the essential factors, and the status of present-day thought and practice concerning them.

Taken concurrently with Education 320.

Two one-hour periods per week.

170. Secondary Education (spring) 2 units

The philosophy, objectives, principles, organization, administration and functioning of public schools for grades seven through 14. Special attention to adolescent psychology and the problems of teaching pupils in the adolescent period.

Two one-hour periods per week.

†193. Art in the Kindergarten-Primary (fall, spring) 2 units

Two one-hour periods per week.

†195. Music and Games in the Kindergarten-Primary (fall, spring) 2 units

Two one-hour periods per week.

199. Special Problems in Education.

Research in Education to be carried on under the direction of the college. Credit to be arranged.

310. Observation² (fall, spring) 2 units

Observation and participation in classroom procedure; guidance of the growth and development of individuals and groups.

Taken concurrently with Education 133 and 134.

Four one-hour periods per week.

320. Directed Teaching² (fall, spring) 10 units

Students teach under supervision in the College Elementary School for one semester for the Elementary or Junior High credential.

¹ See Scholarship requirements, p. 77.

² See Scholarship and Fundamentals Requirements, pp. 76-77.

† Given if sufficient demand.

321. Directed Teaching—Kindergarten (fall, spring) **6 units**

Students teach in the Kindergarten in the College Elementary School for 12 hours per week for one semester for the special Kindergarten-Primary Credential. Kindergarten theory and techniques are covered through conferences and assigned readings in connection with their teaching.

Prerequisite: Education 133 (Primary Section).

322. Elementary Physical Education Teaching¹ (fall, spring) **2 units**

Students teach physical education daily in grades three to eight in the College Elementary School.

323. Secondary Physical Education Teaching¹ (fall, spring) **2 or 4 units**

Students teach physical education daily one or two hours in a local secondary school.

Prerequisite: Education 322.

324. College Physical Education Teaching (fall, spring) **1 or 2 units**

Students assist in college physical education activity classes.

Prerequisites: Education 322 or 323 and recommendation of the Department of Physical Education.

Two one-hour periods per week.

330. Advanced Teaching (fall, spring) **2 or 3 units**

This course provides an opportunity for students to do advanced teaching which may include work with special subjects, or experimentation with methods of teaching.

PSYCHOLOGY

1. General Psychology (fall, spring) **3 units**

An introduction to the study of human behavior, emphasizing the significance of maturation, learning, motivation, and individual differences as they evolve in personality.

Usually restricted to sophomores.

Three one-hour periods per week.

***3. Applied Psychology** (fall) **3 units**

Survey of the areas in which the general principles of psychology are applied, such as medicine, advertising, salesmanship, religion, business and personal relations. Course begins with a short survey of general principles; remainder of semester is devoted to independent supervised study of particular fields of application of student's own choice.

Prerequisite: Consent of the instructor; Psychology 1 recommended.

¹ See Scholarship and Fundamentals Requirements, pp. 76-77.

* Not given 1945-46.

ADMINISTRATIVE CREDENTIAL CURRICULA

An Elementary School Administration Credential is required for the position of principal of a school of more than five teachers. A supervisor devoting more than half-time to supervision of instruction is required to have an Elementary School Supervision Credential.

General requirements for these two credentials are the possession of a valid General Elementary Credential, and two years of successful teaching experience in the elementary school.

For the Elementary School Administration Credential, it is necessary to complete thirty semester units of upper division or graduate work in addition to the holding of the General Elementary Credential, or training which an institution approved or accredited to recommend for the Elementary School Administration Credential certifies as fulfilling institutional requirements for a full year of work in addition to the holding of the General Elementary Credential.

For the Elementary School Supervision Credential, the requirement is twenty-four semester units of upper division or graduate work in addition to the holding of the General Elementary Credential.

Course requirements for these credentials are as follows:

	<i>Administration</i>	<i>Supervision</i>
Ed. 115, Measurement in Education-----	4 units	4 units
Ed. 125, The Public School System-----	3 units	-----
Ed. 139, Elementary School Curriculum-----	3 units	3 units
Ed. 140A, Administration and Supervision of Elementary Schools-----	2 units	2 units
Ed. 140B, Field Work in Elementary School Administration -----	2 units	2 units
Ed. 141, Supervision of Instruction-----	4 units	4 units
Ed. 145, School Finance -----	2 units	-----
Ed. 148, Legal Aspects of Education-----	2 units	-----
Ed. 165, Pupil Personnel and Guidance-----	2 units	2 units
Approved Electives -----	8 units	9 units
Totals -----	30 units	24 units

ENGLISH

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ENGLISH

LOWER DIVISION

	<i>Units</i>
English -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences -----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
Foreign Languages -----	10
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)	
Philosophy	
Year course -----	6
Physical Education	
Activities (one-half unit each semester) -----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	12
History 4A-4B (History of Western Civilization) -----	6
Additional Social Science -----	6

UPPER DIVISION

English -----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government) -----	2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN ENGLISH

The requirements for this degree are the same as those for the liberal arts A.B. degree in English, with these additional requirements:

- (a) Education (upper division) ----- 6 units
- (b) One of the minors must be completed in a subject field taught in high school.
- (c) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 41.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Eng. 1A-1B-----6 units Eng. 46A-46B-----6 units	Eng. 1A-1B-----6 units Eng. 46A-46B-----6 units	Eng. 1A-1B-----6 units Recommended: Eng. 46A-46B.
Upper Division-----	Eng. 162-----3 units Eng. 160-----3 units Additional U. D. English-----18 units	12 units U. D. English. Recommended: Eng. 115-----3 units Eng. 162-----3 units Eng. 136-----3 units	6 units U. D. English. Recommended: Eng. 115-----3 units Eng. 136-----3 units
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES**LOWER DIVISION**

Subject A. English Composition (fall, spring) **3 units**

A study of grammar, usage, punctuation, and mechanics, with some practice in writing. Required of those who fail the test in "Subject A."

Three one-hour periods per week.

1A. First-year Reading and Composition (fall, spring) **3 units**

Emphasis on expository writing, with supplementary reading.

Three one-hour periods per week.

1B. First-year Reading and Composition (fall, spring) **3 units**

Emphasis on reading and an introduction to literature, with a continuation of written composition.

Three one-hour periods per week.

***10. Reading Laboratory** (fall, spring) **1, 2, or 3 units**

For students desiring improvement in certain phases of silent reading skills and for anyone wishing to read under the direction of an instructor; also for teachers who wish to learn the developmental approach to reading or the individual (clinical) methods for reading improvement in children.

Hours to be arranged.

***14. Choric Reading** (spring) **1 unit**

Oral interpretation of literature.

One one-hour period per week.

20. News Writing (fall, spring) **3 units**

This course is for students wishing the special training necessary to write for newspapers. Students are shown what constitutes constructive news, when and where it can be found, why certain items are acceptable, and how the articles should be written to meet newspaper requirements.

Prerequisite: English 1A or consent of the instructor.

Three one-hour periods per week.

* Not given 1945-46.

46A. Survey of English Literature (fall) 3 units

The beginning of English literature and the main aspect of its development down to the Restoration (1660).

Prerequisite: English 1B.

Three one-hour periods per week.

46B. Survey of English Literature (spring) 3 units

The leading movements in the development of English literature from the Restoration (1660).

Three one-hour periods per week.

78. Children's Literature 3 units

A survey course intended to give an understanding and appreciation of the best literature for children of all ages. Books by notable contemporary authors and artists are read and discussed as well as traditional and classical literature. Attention is given to reading guidance and the stimulation of wider use of books for study and recreation. Recommended for candidates for the Kindergarten-Primary and the General Elementary Credentials.

Three one-hour periods per week.

***86. Directed Reading (fall) 1 unit**

Emphasis on literary appreciation. Student maps own reading chart and covers what he considers vital to his growth. Lectures to acquaint students with aspects of literature.

One one-hour period per week.

UPPER DIVISION

English 1A-1B is prerequisite to all upper division courses in English.

***105. Creative Writing (fall, spring) 3 units**

Three one-hour periods per week. (May not count as part of English minor).

112. Phonetics (fall) 3 units

See Speech 112, p. 128.

115. The English Language (spring) 3 units

This course will sketch the history of the English language. It will attempt to acquaint the student with some of the tendencies that have changed and are changing the language so that he may have some basis for deciding questions of grammar and usage.

Three one-hour periods per week.

136. American Literature (fall) 3 units

A study of the important writers of the nineteenth century in the United States with a brief survey of the literature of the Colonial and Revolutionary periods and of the contemporary period. It seeks to discover distinctively American contributions to world literature.

Three one-hour periods per week.

* Not given 1945-46.

- *142A. The Novel** 3 units
The English novel from Defoe through Scott. Students will read and study the novel, its origin, its development as a literary form.
Three one-hour periods per week.
- *142B. The Novel (fall)** 3 units
The English novel from Dickens to contemporary writers. This is a continuation of course 142A, though 142A is not a prerequisite to 142B.
Three one-hour periods a week.
- *153. The Age of Elizabeth** 3 units
Prose and poetry, exclusive of the drama.
Three one-hour periods per week.
- †154. The Age of Swift and Pope** 3 units
- †155. The Romantic Period (spring)** 3 units
- *157. The Victorian Period (spring)** 3 units
- *160. Chaucer (fall)** 3 units
The Canterbury Tales and some of Chaucer's minor poems will be read. An outline of Middle English grammar for the beginner is included in the course.
Three one-hour periods per week.
- *162. Shakespeare (spring)** 3 units
An intensive study of a few of Shakespeare's plays and a rapid reading of some others.
Three one-hour periods per week.

* Not given 1945-46.

† Given if sufficient demand.

HOME ECONOMICS

MAJOR AND MINOR REQUIREMENTS

<i>Junior High School Major in Home Economics</i>			<i>Home Economics Minor</i>
Lower Division	Home Econ. 1-----	3 units	6 units of L. D. Home Economics
	Home Econ. 3-----	3 units	
	Home Econ. 11-----	3 units	
	Home Econ. 20-----	3 units	
Upper Division	12 units chosen from—		6 units of U. D. Home Economics (Not to include Home Economics 190)
	Home Econ. 101-----	3 units	
	Home Econ. 122-----	3 units	
	Home Econ. 130-----	3 units	
	Home Econ. 145-----	3 units	
	Home Econ. 160-----	3 units	
	Home Econ. 190-----	3 units	
Total units required		24 units	

A liberal arts major in Home Economics may be completed at this College if the student supplements her work here with two summer sessions elsewhere. The choice of subjects should be made in consultation with the student's adviser and the Registrar.

A liberal arts group major which includes Home Economics may be arranged in consultation with the students' advisor and the Registrar's office. See p. 40.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Clothing Construction (fall) 3 units

Laboratory work directed toward the development of good technique in clothing construction processes; use of sewing machine and hand stitches; selection and alteration of commercial patterns; correct fitting methods; use of cotton, linen, and rayon fabrics in making garments.

One one-hour lecture and two three-hour laboratory periods per week.

3. Clothing Design and Textiles (spring) 3 units

A study of clothing as an expression of personality and good taste in dress, with a study of the elements of design and color as related to the selection of clothing. Individual color types and figure problems considered. Emphasis on clothing budgets and buying problems.

Three one-hour periods per week.

11. Hostess Training and Foods (fall) 3 units

A study of food products and their place in the diet. Types of meal service and table etiquette considered. Laboratory practice in preparation of foodstuffs.

Two one-hour lecture and one three-hour laboratory periods per week.

20. Nutrition and Foods (spring) 3 units

A study of nutrition with special emphasis on human requirements, best selection of foods for individuals and families, and economy meals. Practice in food preparation and menu planning.

Two one-hour lecture and one three-hour laboratory periods per week.

UPPER DIVISION**101. Advanced Clothing and Textiles (fall) 3 units**

Laboratory practice in clothing construction and design with emphasis upon tailoring and remodeling. Study of consumer problems in clothing selection.

Prerequisite: Home Economics 1.

Two one-hour lecture and one three-hour laboratory periods per week.

122. Nutrition Work with Children (spring) 3 units

The nutritional needs of children of pre-school and school age; methods of judging good and poor nutrition in children; causes and prevention of malnutrition; formation of desirable food habits; problems of the school lunchroom.

Prerequisite: Home Economics 20.

Three one-hour periods per week.

130. Household Administration (spring) 3 units

A study of the modern family and its housing needs, emphasizing standards and selection of equipment and furnishings, their arrangement and care; management factors with respect to household tasks, home ownership, and finances. Open to all students.

Three one-hour periods per week.

145. Art of House Design (fall) 2 or 3 units

See Industrial Education 103.

160. Social and Economic Problems of the Family (fall) 3 units

A study of the family as an institution and the social and economic conditions affecting American family life. Open to all students.

Three one-hour periods per week.

190. Homemaking Problems in the Elementary School (fall, spring) 2 or 3 units

Designed to acquaint the prospective elementary school teacher majoring in Home Economics with homemaking procedures that can be adapted for use in the elementary grades in correlation with a given unit of work. Not applicable to a minor in Home Economics, but recommended to those minoring in Home Economics as an elective.

One lecture period per week, with classroom demonstrations.

INDUSTRIAL EDUCATION

MAJOR AND MINOR REQUIREMENTS

Junior High School Major in Industrial Education

Lower Division	Ind. Educ. 7A-----	2 units
	Ind. Educ. 51 ¹ -----	3 units
	Additional L. D. Ind. Educ. -----	7 units
Upper Division	Ind. Educ. 101-----	3 units
	Ind. Educ. 130-----	2 units
	Additional U. D. Ind. Educ. -----	7 units
Total units required		24 units

A liberal arts group major which includes Industrial Education may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

Minors in Industrial Education

General Elementary

Junior High School and Pre-Secondary

Lower Division	Ind. Educ. 15 or 51 ¹ -----	3 units	Ind. Educ. 7A-----	2 units
	3 or more units chosen from—		Ind. Educ. 51 ¹ -----	3 units
	Ind. Educ. 5-----	2 or 3 units	4 or more units chosen from—	
	Ind. Educ. 6-----	2 units	Ind. Educ. 5-----	2 or 3 units
	Ind. Educ. 7A-----	2 units	Ind. Educ. 12-----	3 units
	Ind. Educ. 12-----	3 units	Ind. Educ. 13-----	2 or 3 units
Upper Division	Ind. Educ. 51 ¹ -----	3 units	Ind. Educ. 15-----	3 units
	Art 6-----	2 or 3 units	Art 6-----	2 or 3 units
	Ind. Educ. 191 (men only)-----	2 units	Ind. Educ. 130-----	2 units
	4 or more units chosen from—		Ind. Educ. 191-----	2 units
	Ind. Educ. 101-----	2 or 3 units	5 or more units chosen from—	
	Ind. Educ. 105-----	2 units	Ind. Educ. 101-----	2 or 3 units
Total units required	Ind. Educ. 112-----	2 or 3 units	Ind. Educ. 103-----	2 or 3 units
	Ind. Educ. 123-----	3 units	Ind. Educ. 105-----	2 units
	Ind. Educ. 124-----	2 or 3 units	Ind. Educ. 112-----	2 or 3 units
	Ind. Educ. 130-----	2 units	Ind. Educ. 125-----	3 units
		12 units		18 units

¹ Industrial Education 51 will be waived as a subject requirement for students who have had two years of High School manual training.

DESCRIPTION OF COURSES

LOWER DIVISION

- 5. Pottery (fall) 2 or 3 units**
 A course in an interesting and age-old industry. Designing, casting, throwing, modeling, glazing, and firing.
 Two or three three-hour periods per week.

- *6. Cement and Concrete Work (spring) 2 units**
 Theory and practical application of concrete work, including ornamental cement.
 Two three-hour periods per week.

* Not given 1945-46.

7A. Mechanical Drawing (fall, spring) 2 units

A fundamental course in mechanical drawing which covers orthographic, isometric, and cabinet projections, intersection of solids, sections, screws and threads, cams, blue prints, etc.

Three two-hour periods per week.

7B. Advanced Mechanical Drawing (fall) 2 units

An advanced course in mechanical drawing intended primarily for students who are majoring in engineering. The fundamentals of descriptive geometry, perspective, and machine drawing are studied.

Prerequisite: Industrial Education 7A or its equivalent in high school.

Three two-hour periods per week.

9. Stone Polishing and Plastics (spring) 2 or 3 units

In this course an age old art is united with a very modern one. Stone cutting has been practiced for many years; plastic is very modern, but has many possibilities. The combination of the two subjects makes an interesting study.

Two or three-hour periods per week.

***12. Metal Arts (spring) 3 units**

The application and use of various metals. Hammering of copper, grinding of stones, casting, silver plating, soldering, enameling.

Three three-hour periods per week.

13. Architectural Drafting (spring) 2 or 3 units

A beginning course in the fundamentals of house design. Floor plans, elevations, perspective drafting, and architectural detail. A course in mechanical drawing either in high school or college is advisable as background.

Two or three three-hour periods per week.

15. Crafts in the Elementary Schools (fall, spring) 3 units

A course in the use of native materials and waste products applicable to the elementary grades. Magazine binding, waste-basket making, weaving, toy making, and pottery are some of the kinds of work done. Required of all women candidates for a credential.

Three one-hour class periods and six hours of outside work per week.

16. Toycraft 2 or 3 units

This course is planned for those students who are interested in child life and the many ingenious toys that it is possible to make for children.

Two or three-hour periods per week.

51. Fundamentals of Industrial Education (fall, spring) 3 units

The fundamentals of industrial education in terms of teaching industrial arts in the elementary grades. Covers methods, courses of study, construction of objects of the elementary grades level, and care and use of equipment. Required of all men candidates for a teaching credential.

Three three-hour periods per week.

UPPER DIVISION

101. Advanced Woodworking (spring) 2 or 3 units

Building of boats, airplane gliders, and large pieces of similar nature.

Prerequisite: Industrial Education 51 or its equivalent.

Two or three three-hour periods per week.

103. The Art of House Design (fall) 2 or 3 units

A thorough-going study of home planning and building in which an entire house is planned in structure and furnishings.

Prerequisite: Industrial Education 13.

Two or three three-hour periods per week.

105. Advanced Pottery (fall) 2 units

Study of the problems involved in pottery making, from the standpoint of both teaching and business. Designing, decorating, throwing, packing, firing of the kiln are a few of the subjects studied.

Prerequisite: Industrial Education 5.

Two three-hour periods per week.

***112. Advanced Metal Arts (spring) 2 or 3 units**

An advanced study of the work offered in Industrial Education 12. Practice in the use of pewter, aluminum, silver, bronze, and other metals.

Prerequisite: Industrial Education 12.

Two or three three-hour periods per week.

†113. Machine Shop Practice 2 units

The use and operation of the common machines, with practical application to everyday life.

Prerequisite: Upper division status or consent of the instructor.

Two three-hour periods per week.

†123. Pattern-Making and the Theory of Foundry Practice (fall) 3 units

A study in the basic principles of foundry practice and pattern-making. The construction of simple patterns, and casting in softer metals.

Prerequisite: Industrial Education 51 or its equivalent.

Three three-hour periods per week.

†124. Advanced Cabinet and Other Wood Construction (fall) 2 or 3 units

Advanced course in woodwork designed for students interested in teaching or in problems of advanced construction.

Prerequisite: Industrial Education 101.

Two or three three-hour periods per week.

* Not given 1945-46.

† Given if sufficient demand.

†125. Carpentry (spring) 3 units

A study of house construction in which houses in miniature are built to illustrate construction problems. Recommended as a suitable course to follow Industrial Education 103.

Prerequisite: Industrial Education 51 or its equivalent.
Three three-hour periods per week.

†130. Industrial Arts Design (spring) 2 units

Theory and practice in the designing of objects in the industrial arts and their decoration.

Prerequisite: Industrial Education 7A.

Two one-hour lecture and two two-hour laboratory periods per week.

†191. Management of School Shops (spring) 2 units

A course in the objectives, methods, and content of shop programs for the grade schools. Intended for students majoring in Industrial Education.

Prerequisite: Industrial Education 51 and upper division status.
Two one-hour periods per week.

† Given if sufficient demand.

MATHEMATICS AND PHILOSOPHY

MINOR REQUIREMENTS

<i>Minor in Mathematics</i>	
Lower Division	Prerequisites (may be satisfied in high school) Elementary Algebra Intermediate Algebra Plane Geometry Plane Trigonometry Mathematics 3A-3B ----- 6 units
Upper Division	Mathematics 104A-104B ----- 6 units In addition to prerequisites: 12 units
Total units required	

DESCRIPTION OF COURSES

Mathematics

LOWER DIVISION

C. Trigonometry (fall) 3 units

Plane trigonometry and spherical right triangles.

Prerequisite: Plane geometry and one and one-half years of high school algebra or Mathematics 1.

Three one-hour periods per week.

†E. Solid Geometry (spring) 2 units

Prerequisite: Elementary algebra and plane geometry.

Two one-hour periods per week.

1. Intermediate Algebra (fall) 3 units

Quadratic equations; exponents and radicals; practice in the use of logarithms; theory of equations; elementary determinants; progressions; and the binominal theorem.

Prerequisite: One year of high school algebra or general mathematics.

Three one-hour periods per week.

***2. Mathematics of Finance (spring) 3 units**

Theories of interest and annuities applied to amortization, valuation, investment, depreciation, and insurance.

Prerequisite: Two years of high school algebra or Mathematics 1.

Three one-hour periods per week.

3A. Plane Analytic Geometry (fall) 3 units

Cartesian and polar equations of the straight line; conic sections; and general equations of the second degree.

Prerequisite: High school algebra, plane geometry, and trigonometry.

Three one-hour periods per week.

* Not given 1945-46.

† Given if sufficient demand.

- 3B. Differential Calculus** (spring) **3 units**
 Differential calculus and an introduction to integral calculus.
 Prerequisite: Plane Analytic Geometry.
 Three one-hour periods per week.
- †8. College Algebra** (spring) **3 units**
 Theory of equations; determinants; equations of third and fourth degrees.
 Prerequisite: Mathematics 3A.
 Three one-hour periods per week.
- 20. Mathematics of the Elementary School** (fall, spring) **2 units**
 Operations and principles essential to the manipulation of fractions, equations, and formulae, with application to design, graphics, statistics, investment, and engineering.
 Two one-hour periods per week.
- 40. Elementary Statistical Methods** (spring) **3 units**
 Theory and uses of statistical methods. Practice in tabular and graphical representation of data. Measures of central tendency, relationships, and dispersion. Coefficients, index numbers, time series, and other forms of statistical calculations based on practical relevant data. Use of calculating machines encouraged.
 It is recommended that students taking this course consult the instructor concerning the adequacy of their mathematical background.
 Three one-hour periods per week.

UPPER DIVISION

- †104A-104B. Integral Calculus and Solid Analytics** (year) **3-3 units**
 First semester: Continues the development and application of the calculus. **Infinite series, partial derivatives.**
 Second Semester: Quadric surfaces and multiple integration.
 Prerequisite: Mathematics 3A-3B.
 Three one-hour periods per week.

Civil Engineering

- 1A-1B. Plane Surveying** (year) **3-3 units**
 Principles, field practice, calculations, and mapping.
 Prerequisite: Plane trigonometry and Industrial Education 7A or its equivalent.
 Two one-hour lecture and one three-hour laboratory periods per week.
- 2. Descriptive Geometry** **3 units**
 The principles of descriptive geometry and their application to engineering problems. Required for engineering and based on the course given at the University of California.
 Prerequisite: Industrial Education 7A or its equivalent.
 Three one-hour lecture and three two-hour drafting periods per week.

† Given if sufficient demand.

Philosophy

6A-6B. Introduction to Philosophy (year)

3-3 units

First semester: An elementary survey of the fundamental concepts and issues in ethics, logic, metaphysics, religion, ontology, and the theory of knowledge. Illustrations are drawn from the philosophical sources, including the philosopher-poets and contemporary writers.

Second semester: A special consideration of the basic problems of philosophy, including historical references to solutions presented in the past.

Three one-hour periods per week.

MODERN LANGUAGES

MINOR REQUIREMENTS

<i>Minor in French</i>		
Lower Division	Prerequisites: French 1A-1B or two years of high school French	
	French 2A-----	3 units
	French 2B-----	3 units
	French 8A-----	1 unit
	French 105A-105B-----	6 units
Upper Division		
Total units required	In addition to prerequisites: 13 units	

DESCRIPTION OF COURSES

French

LOWER DIVISION

- 1A. Elementary French (fall) 3 units**
 Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.
 Four one-hour periods per week.
- 1B. Elementary French (spring) 3 units**
 Continuation of French 1A.
 Prerequisite: French 1A or one year of high school French.
 Four one-hour periods per week.
- 2A. Intermediate French (fall) 3 units**
 Grammar review, reading and conversation.
 Prerequisite: French 1B or two years of high school French.
 Three one-hour periods per week.
- 2B. Intermediate French (spring) 3 units**
 Continuation of French 2A.
 Prerequisite: French 2A or three years of high school French.
 Three one-hour periods per week.
- 5A-5B. Advanced Reading (year) 3-3 units**
 Introduction to French literature.
 Prerequisite: French 2B or four years of high school French.
 Three one-hour periods per week.
- 8A. French Pronunciation (spring) 1 unit**
 Prerequisite: French 1A or one year of high school French.
 One one-hour period per week.

10A-10B. Directed Reading (year) 1 unit

Prerequisite: French 2B or equivalent, or consent of instructor.
Hours arranged with the instructor.

UPPER DIVISION

105A-105B. Survey of French Literature (year) 3-3 units

A brief survey of French literature from its beginning to the present time. Extensive reading of works of representative authors of all periods.

Prerequisite: French 2B or four years of high school French.
Three one-hour periods per week.

110A-110B. Directed Reading (year) 1 unit

Similar to 10A-10B, but for advanced students.

Prerequisite: French 105A or consent of instructor.
Hours arranged with the instructor.

Spanish

1A. Elementary Spanish (fall) 3 units

Beginners' course. Pronunciation, fundamentals of grammar, reading of simple texts.

Four one-hour periods per week.

1B. Elementary Spanish (spring) 3 units

Continuation of Spanish 1A.

Prerequisite: Spanish 1A or one year of high school Spanish.
Four one-hour periods per week.

2A. Intermediate Spanish (fall) 3 units

Grammar review, reading and composition.

Prerequisite: Spanish 1B or two years of high school Spanish.
Three one-hour periods per week.

2B. Intermediate Spanish (spring) 3 units

Continuation of Spanish 2A.

Prerequisite: Spanish 2A or three years of high school Spanish.
Three one-hour periods per week.

10A-10B. Directed Reading (year) 1 unit

Prerequisite: Spanish 2B or equivalent, or consent of instructor.
Hours arranged with the instructor.

MUSIC

MAJOR AND MINOR REQUIREMENTS

Junior High School Major

The junior high school major is available in two forms, instrumental or vocal. In each form the major consists of approximately 32 units in music courses selected according to the needs of the individual student. Instrumental majors must play in the orchestra or band at least six semesters. Vocal majors must sing in the a cappella choir six semesters. However, not more than six units in a cappella choir may be applied toward the major. Participation in the several musical organizations is subject to the approval of the department.

The courses fundamental to the major in both forms are:

Lower Division	Music 1_____	3 units
	Music 2_____	3 units
	Music 20A-20B_____	6 units
Upper Division	Music 120A-120B_____	6 units
	Music 141 or 131_____	2 units
	Music 146_____	2 units
	Music 192_____	3 units

A liberal arts group major which includes Music may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

<i>Instrumental Minor</i>			<i>Vocal Minor</i>		
Lower Division	Piano Test		Piano Test		
	Music 1_____	3 units	Music 2_____	3 units	
	Music 10_____	3 units	Music 10_____	3 units	
	Music 50 or 51_____	1 unit	Music 11_____	2 units	
	*Music 71, 72, or 73 (two courses)_____	4 units	Music 60 or 65_____	2 units	
Upper Division	Music 131_____	1 unit	Music 76_____	$\frac{1}{2}$ unit	
	Music 141_____	2 units	Music 146_____	1 unit	
	Music 150 or 151_____	1 unit	Music 160 or 165_____	2 units	
	Music 192_____	3 units	Music 192_____	3 units	
Total units required		18			16 $\frac{1}{2}$

* To be taken in the two orchestral sections in which student has not had training.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Music History—Instrumental (fall) 3 units

The development and changes in instrumental music and their relation to cultural history. Emphasis is placed upon listening to music to the end of developing critical knowledge of music through a study of styles and forms.

Three one-hour periods per week.

2. Music History—Vocal (spring) 3 units

The study of vocal music from the same approach as in Music 1.

Three one-hour periods per week.

Both Music 1 and Music 2 are suitable for non-music majors and minors who wish to know more about music as a part of their general education.

10. Musicianship (fall, spring) 3 units

Elementary work in ear training, sight singing, and piano keyboard; designed to give the fundamentals of music in a direct and concise manner.

Required for all students working toward a teaching credential. Music majors not eligible.

Three one-hour periods per week.

11. Ear Training and Sight Singing (fall, spring) 2 units

Designed to give a thorough foundation in pitch, rhythm, and harmony in the major and minor modes. These elements are presented through musical-tonal and rhythmical dictation, sight singing, and melodic writing. It emphasizes the chordal basis of melodies in both classic and modern harmonies.

Prerequisite: Music 10.

Two one-hour periods per week.

***15. Piano for Teachers (fall, spring) 1 unit**

An extension of Music 10. A practical course in piano for prospective teachers. Learning of simple chords and application of them in harmonizing simple songs; learning to improvise accompaniments.

One one-hour period per week.

20A-20B. Harmony (year) 3-3 units

The creation and analysis of music. Keyboard harmony; analysis of musical composition for form and content; harmonization of given melodies and original compositions for voices, piano, and other instruments.

Students enrolling should have some ability in playing the piano.

Three one-hour periods per week.

70A-70B. Piano (year) 1-1 unit

Class instruction open to any student who has a desire to learn to play the piano. No preliminary knowledge of piano is needed.

One one-hour period per week.

***71. Strings (fall) 2 units**

Violin, viola, 'cello, string bass. Study and practice of one or more of the string instruments supplemented by a study of arranging for string instruments, teaching methods, and the elementary physics of sound.

Two one-hour periods per week.

72. Brass Instruments (spring) 2 units

Tone production, breathing, transposition, physics of sound, and arranging for brass instruments will be briefly covered in addition to the study of the instruments.

Two one-hour periods per week.

73. Woodwinds (fall) 2 units

The problems of embouchure, breathing, care of the instrument, physics of sound, transposition, and elementary arranging will be covered. Each student will play one or more of the woodwind instruments, with additional theoretical study.

Two one-hour periods per week.

- *76. Voice** (fall, spring) 1/2 unit
Elementary class instruction in voice. Designed to help students improve tone quality and musicianship of their singing.
One one-hour period per week.

UPPER DIVISION

Unless otherwise specified Music 10 or its equivalent is prerequisite to all upper division Music courses.

- 120A-120B. Advanced Harmony and Composition** (year) 3-3 units
A continuation of Music 20A-20B.
Prerequisite: Music 20A-20B.
Three one-hour periods per week.

- 131. Instrumental Arranging** (fall, spring) 1 unit
A practical course in arranging music for various combinations of instruments, with special reference to school orchestras. To be taken in senior year.
Prerequisite: Music 10 or 70, 141, and consent of the instructor.
Two one-hour periods per week.

- 141. Instrumental Conducting** (spring) 2 units
Baton and rehearsal technique; the problems associated with various kinds of instrumental organizations; program building; principles of interpretation.
Two one-hour periods per week.

- 146. Choral Conducting** (fall) 1-2 units
Same as Music 141 but applied to choral singing.
Vocal music *minors* enroll for 1 unit and attend class for first half of semester. Vocal music *majors* attend whole semester for 2 units.
Two one-hour periods per week.

- 190. Elementary Music Education** (fall, spring) 2 units
Survey of the field of public school music and practical devices for teaching music in the public schools from the first grade through the junior high grades. Covers the philosophy of music and practical devices for teaching such phases as rhythm, singing, creative expression, music-listening, elementary conducting, and music-teaching experiences. (Not applicable to a minor in Music.)
Prerequisite: Music 60A or 165A-165B.
Two one-hour class and two one-hour observation periods per week.

- 192. Secondary Music Education** (fall) 3 units
An intensive study of musical literature. Provides a procedure for using such materials in the varying grade levels from the first grade to the junior high school, with emphasis upon the needs in the junior high school level.
Three one-hour periods per week.

Musical Organizations

***50A, B, C, D; 150A, B, C, D. Orchestra (fall, spring) $\frac{1}{2}$ unit**

Affords qualified students an opportunity for study of good orchestral composition and for learning to play with interpretation, finish, and precision. Outside practice necessary.

Prerequisite to Music 150: Music 50A, B.

Two two-hour periods per week.

51A, B, C, D; 151A, B, C, D. Band (fall, spring) $\frac{1}{2}$ unit

Playing of both popular and symphonic band music. During the fall athletic season the band plays for athletic contests and rallies. Thereafter attention is devoted entirely to symphonic band music for playing in public concert.

Prerequisite to Music 151: Music 51A, B.

Two one-hour periods per week.

60A, B, C, D; 160A, B, C, D. College Chorus (fall, spring) $\frac{1}{2}$ unit

A musical organization open to any member of the student body without try-outs. It affords opportunity to become acquainted with some of the best music of the past and present. The chorus appears in several public performances during the year.

Prerequisite for Music 160: Music 60A, B.

Two one-hour periods per week.

**65A-65B, 65C-65D; 165A-165B, 165C-165D. A Cappella Choir
(year) 1-1 or 2-2 units**

A selected group of singers who sing a cappella literature ranging from the sixteenth century to the present. Principles of style and interpretation, voice production, and other attributes of musicianly singing are dwelt upon to a much greater extent than is possible in the College Chorus. The choir gives many concerts and usually goes on tour in the spring of each year.

No credit is given for the first semester (fall) unless the student enrolls in and completes the course for the second semester (spring). An exception is made in case of withdrawal from College after first semester.

Prerequisite for Music 165: Music 65A-65B.

Two two-hour periods per week.

Private Lessons

Credit for private lessons will be given on the basis of one unit for one half-hour lesson per week and the necessary practice for the lesson for a semester.

80. Private Lessons—Piano

Miss Jackson, \$6.00 per month; Mr. Fulkerson, \$1.50 per lesson.

84. Private Lessons—Organ

2 units

Miss Jackson, \$10.00 per month (hour lessons).

***86. Private Lessons—Voice**

Dr. Jeffers, \$1.50 per lesson.

* Not given 1945-46.

ORIENTATION

2. Orientation II (fall, spring)

1 unit

The purpose of this course is to help the student determine early in his college career whether or not he should pursue the Teacher Education curriculum. It provides the student with the opportunity to observe and participate in the College Elementary School program.

Two one-hour class periods and one hour of observation and participation.

PHYSICAL EDUCATION

The Physical Education Department serves three needs:

- (1) To provide a varied program of wholesome, recreational, physical activities.
- (2) To prepare the general elementary teacher to handle intelligently the physical education program in the elementary schools.
- (3) To prepare special teachers in physical education for elementary, junior high, and senior high schools.

Freshman men are required to take P.E. 5, and freshman women P.E. 15. Every candidate for a teaching credential is required to take P.E. 190 and P.E. 199 during the junior or senior year. During other semesters, students may select any activity course offered. Placement in a beginning or advanced section depends upon ability and previous training.

Every student enrolled in the College must take a half unit of physical education activities during each semester. Persons twenty-one years of age or older may be exempt from this requirement with consent of the Department.

MAJOR AND MINOR REQUIREMENTS

	Major for Special P. E. Credential		Junior High School Major		Minor
Lower Division----	H.H. 1 ----- 2 units		H.H. 1 ----- 2 units		H.H. 1 ----- 2 units
	H.H. 55 ----- 2 units		Activity		Activity
	Activity		Courses ----- 1½ units		Courses ----- 1½ units
	Course ----- ½ unit		Men		Men
	Men		P.E. 5 ----- ½ unit		P.E. 9A ----- 1 unit
	P.E. 5 ----- ½ unit		P.E. 9A ----- 1 unit		P.E. 10A ----- 1 unit
	P.E. 9A ----- 1 unit		P.E. 10A ----- 1 unit		Women
	P.E. 10A ----- 1 unit		Women		P.E. 16A ----- ½ unit
	P.E. 26A or		P.E. 15 ----- ½ unit		P.E. 17A ----- ½ unit
	31 ----- ½ unit		P.E. 16A ----- ½ unit		P.E. 18A or
	Women		P.E. 17A ----- ½ unit		26A ----- ½ unit
	P.E. 15 ----- ½ unit		P.E. 18A or		
	P.E. 16A ----- ½ unit		26A ----- ½ unit		
	P.E. 17A ----- ½ unit				
	P.E. 18A or				
	26A ----- ½ unit				
Upper Division----	P.E. 151 ----- 3 units		P.E. 151 ----- 3 units		P.E. 176 ----- 2 units
	P.E. 152 ----- 2 units		P.E. 152 ----- 2 units		P.E. 190 ----- 1 unit
	P.E. 175 ----- 3 units		P.E. 175 ----- 3 units		P.E. 199 ----- 2 units
	P.E. 176 ----- 2 units		P.E. 176 ----- 2 units		Men
	P.E. 190 ----- 1 unit		P.E. 190 ----- 1 unit		P.E. 192A-B----- 4 units
	P.E. 198 ----- 2 units		P.E. 199 ----- 2 units		Women
	P.E. 199 ----- 2 units		Activity		P.E. 193A-B----- 4 units
	Ed. 322 ----- 2 units		Courses ----- 1½ units		
	Ed. 323 ----- 2 or 4 units		Electives in		
	Activity		P.E. (May be Lower		
	Courses ----- 1½ units		Division) -- 1½ units		
	Men		Men		
	P.E. 192A-B----- 4 units		P.E. 192A-B----- 4 units		
	Women		Women		
	P.E. 120 ----- 1 unit		P.E. 120 ----- 1 unit		
	P.E. 193A-B----- 4 units		P.E. 193A-B----- 4 units		
Total units	Men ----- 32-34 units		Men ----- 26 units		Men ----- 14½ units
required-----	Women ----- 32-34 units		Women ----- 27 units		Women ----- 14 units

DESCRIPTION OF COURSES

Courses for Men

LOWER DIVISION

- 5. Freshman Physical Activities** (fall, spring) **$\frac{1}{2}$ unit**
Fundamentals of team and individual sports, together with some achievement tests.
Required of all freshmen and limited to freshmen.
Two one-hour periods per week.
- 8A, B. Individual Sports** (fall, spring) **$\frac{1}{2}$ unit**
Boxing, fencing, tumbling, wrestling (choice of one or more).
Two one-hour periods per week.
- 9A, B, C, D. Intercollegiate Football** (fall) **1 unit**
Daily afternoon practice.
- 10A, B, C, D. Intercollegiate Basketball** (spring) **1 unit**
Daily afternoon practice.
- 11A, B, C, D. Baseball** (spring) **$\frac{1}{2}$ unit**
Intercollegiate competition when it can be arranged; games with local teams.
Daily afternoon practice.
- 12A, B, C, D. Track** (spring) **$\frac{1}{2}$ unit**
Intercollegiate competition when it can be arranged; meets with local organizations.
Daily afternoon practice.

UPPER DIVISION

- 192A. Theory of Athletics** (fall) **2 units**
Football, soccer, speedball, and basketball.
Prerequisite: Upper division status only.
Two one-hour periods per week.
- 192B. Theory of Athletics** (spring) **2 units**
Baseball, track and field, and tennis.
Prerequisite: Upper division status only.
Two one-hour periods per week.

Courses for Women**LOWER DIVISION****15. Freshman Physical Activities (fall) 1 unit**

A course to give the entering student an opportunity to participate in activities which demand and develop fundamental skills, such as running, throwing, catching, and relaxing, in at least one team game, and in activities which help correct the more prevalent deviations from normal body mechanics.

Required of all freshmen women and limited to freshmen.

Two one-hour periods per week.

16A, B, C. Fall Sports (fall) 1 unit

Field hockey and volleyball.

Two one-hour periods per week.

17A, B, C, D. Spring Sports (spring) 1 unit

Basketball and softball.

Two one-hour periods per week.

18A. Beginning Dance (fall) 1 unit

Two one-hour periods per week.

18B. Advanced Dance (spring) 1 unit

Two one-hour periods per week.

UPPER DIVISION**†120. Theory of Rhythms (fall) 1 unit**

A study of the dance field. Consideration of all types of rhythmic work for elementary and secondary schools. Educational program possibilities.

One one-hour period per week.

193A. Theory of Athletics (fall) 2 units

Field hockey, soccer, speedball, volleyball, handball.

Prerequisite: Upper division status only.

Two one-hour periods per week.

193B. Theory of Athletics (spring) 2 units

Basketball, softball, tennis, archery.

Prerequisite: Upper division status only.

Two one-hour periods per week.

† Given if sufficient demand.

Courses for Men and Women**LOWER DIVISION**

- 25A, B, C, D. Individual Exercise Program** (fall, spring) $\frac{1}{2}$ unit
 A program of special exercise and activity suited to the individual student.
 Two one-hour periods per week.
- 26A. Elementary Clog and Tap Dancing** (fall) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 26B. Intermediate Clog and Tap Dancing** (spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 26C. Tap Club** (fall) $\frac{1}{2}$ unit
 Advanced technique; original numbers required of students; participation in school programs.
 Two one-hour periods per week.
- 27A. Elementary Tennis** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 27B. Intermediate Tennis** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 27C. Advanced Tennis** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 28A. Elementary Archery** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 28B. Advanced Archery** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 29A. Badminton** (fall, spring) $\frac{1}{2}$ unit
 Badminton, deck tennis, paddle tennis, table tennis.
 Two one-hour periods per week.
- 29B. Advanced Badminton** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.
- 30A. Beginning Golf** (fall, spring) $\frac{1}{2}$ unit
 One two-hour period per week.
- 30B. Advanced Golf** (fall, spring) $\frac{1}{2}$ unit
 One two-hour period per week.
- 31. Ballroom Dancing** (spring) $\frac{1}{2}$ unit
 Basic dance techniques; fox trot, waltz, tango, and current routines. Dance etiquette.
 Two one-hour periods per week.
- 32. Rifle Club** (fall, spring) $\frac{1}{2}$ unit
 Two one-hour periods per week.

33. Folk Dancing (fall, spring)**1 unit**

Two one-hour periods per week.

77. Playground Leadership (fall)**4 units**

Designed for partial fulfillment of the requirements for the Playground Leadership Credential. Thorough theoretical background and some practical laboratory experience in playground work.

Three one-hour lecture and one two-hour laboratory periods per week.

UPPER DIVISION

Upper division status is the only prerequisite to the upper division Physical Education courses.

151. Applied Kinesiology (fall)*3 units**

Study of the anatomy of muscles, bones, joints and of the nervous system as a basis for understanding bodily movement in exercise and sports.

Three one-hour periods per week.

152. Methods in Corrective Physical Education (spring)*2 units**

The principles underlying good body mechanics; the causes, correction, and prevention of postural defects; methods of relaxation; the place of Corrective Physical Education in the school program; equipment facilities and procedure; fundamentals and practice of massage. Much of the work is practical.

Prerequisite: Physical Education 151.

Two one-hour periods per week.

175. History and Principles of Physical Education (fall)**3 units**

The evaluating of the history of physical education, the weighing of current problems in the field, the setting up of a code of ethics for professional workers, and the formulating of aims and objectives.

Three one-hour periods per week.

176. Principles of Community Recreation (spring)**2 units**

A consideration of the principles involved in developing an ideal program of recreation. Some practical experience in organizing college recreational activities is required.

Two one-hour periods per week.

190. Methods in Singing Games and Folk Dances (fall, spring)**1 unit**

Participation in and conduct of rhythms suitable for children of the elementary school and junior high school.

Two one-hour periods per week.

198. Organization and Administration of Secondary School Physical Education (fall, spring)**2 units****199. Practicum in Physical Education (fall, spring)****2 units**

The organization of the physical education program in grades one through eight.

One class, two activity, and one observation hours per week.

* Not given 1945-46.

DIVISION OF HEALTH AND HYGIENE

COURSE REQUIREMENTS FOR THE A.B. DEGREE

FOR GRADUATE NURSES

By recent action of the State Department of Education, graduate nurses from accredited nursing schools with three years of training may be granted the Bachelor of Arts degree upon the completion of an approved program of study. This program includes the following courses:

LOWER DIVISION

Biological and Physical Sciences-----12 units

To be chosen in consultation with student's adviser. Part of this requirement may have been satisfied in high school.

English

1A-1B (Reading and Composition)----- 6 units

Physical Education

Activities (one-half unit each semester)----- 2 units

Psychology

1 (General Psychology) ----- 3 units

Social Sciences -----12 units

Econ. 1A-1B (Principles of Economics)----- 6 units

Hist. 4A-4B (History of Western Civilization)----- 6 units

UPPER DIVISION

Political Science

151 (American Constitutional Government)----- 2 units

Electives—enough to bring total of units up to 60.

In this curriculum, the major requirement is satisfied by the work in nursing, for which a total of 60 units is allowed. However, the candidate must complete a minor in one of the fields listed on page 43.

COURSE REQUIREMENTS FOR THE A.B. DEGREE FOR PRE-NURSING STUDENTS

Students who complete an approved two-year curriculum in the State College followed by graduation from an accredited nursing school based upon three years of training, may receive the A. B. degree from the College. The essential requirements

for a degree established by the State Department of Education must be fulfilled. The major requirement is presumed to be satisfied by the work in nursing, a total of 60 units being allowed for the three-year nursing course. Adjustments in the program may be made to suit the curricular requirements of the hospital to which the student expects to transfer.

Recommended Sequence

FRESHMAN YEAR	Sem. 1	Sem. 2
Chemistry 2 -----	3	
English 1A-1B -----	3	3
History 4A-4B -----	3	3
Home Economics 20 -----		3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Psychology 1 -----		3
Zoology 1A -----	4	
Elective -----	2	3
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Anatomy 66 -----	3	
Bacteriology 1 -----	5	
Economics 1A-1B or Sociology 1A-1B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 -----		5
Pol. Sci. 151 -----	2	
Elective or Minor -----	1	6
	14 $\frac{1}{2}$	14 $\frac{1}{2}$

Eventual candidates for a Public Health certificate, or students who expect to enter hospitals maintained by the University of California or Stanford University, must plan programs to conform with the requirements of those institutions. In general, the courses outlined below fulfill these requirements.

Recommended Sequence

FRESHMAN YEAR	Sem. 1	Sem. 2
Chemistry 1A -----	5	
English 1A-1B or Speech 1A-1B -----	3	3
Foreign Language -----	3	3
Philosophy 6A-6B -----	3	3
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Physiology 1 -----		5
Psychology 1A-1B ¹ -----	3	3 ¹
	17 $\frac{1}{2}$	17 $\frac{1}{2}$

¹ Psychology 1B is not offered at Humboldt. It may be taken by extension from the University of California.

SOPHOMORE YEAR

	Sem. 1	Sem. 2
Anatomy 66 -----	3	
Bacteriology 1 -----	5	
Economics 1A-1B -----	3	3
Foreign Language ¹ -----	3-5	3-5
Physical Education -----	$\frac{1}{2}$	$\frac{1}{2}$
Political Science 151 -----		2
Elective -----	2 or 0	8 or 6
	<u>16$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

One-Year Curriculum

The one-year pre-nursing program has been outlined to meet the needs of students who wish to take their professional training in one of the nursing schools which require one year of college work as prerequisite to admission.

Recommended Sequence

	Sem. 1	Sem. 2
Anatomy 66 -----	3	
Bacteriology 1 -----	5	
Chemistry 2 -----	3	
English 1A -----		3
Physiology 1 -----		5
Psychology 1 -----		3
Electives -----	4	3
	<u>15$\frac{1}{2}$</u>	<u>16$\frac{1}{2}$</u>

¹ If needed to meet requirements.

MAJOR AND MINOR REQUIREMENTS

For students enrolled in the credential curricula, either a major or a minor is available in the field of Health and Hygiene. The minor may also be selected by students majoring in other departments of the College. The requirements are as follows:

	Junior High School Major			Minor		
Lower Division	H.H. 1	-----	2 units	H.H. 1	-----	2 units
	H.H. 55	-----	2 units	H.H. 55	-----	2 units
	H.Ec. 20	-----	3 units	H.Ec. 20	-----	3 units
	Physiol. 1	-----	5 units			
Upper Division	Ed. 111	-----	3 units	Ed. 111	-----	3 units
	H.Ec. 122	-----	3 units	H.H. 160	-----	3 unit
	P.E. 151	-----	3 units			
	P.E. 152	-----	2 units			
	H.H. 160	-----	3 units			
	Total units required		26 units			13 units

A liberal arts group major which includes Health and Hygiene may be arranged in consultation with the student's adviser and the Registrar's office. See page 40.

DESCRIPTION OF COURSES

LOWER DIVISION

1. Hygiene (fall, spring) 2 units

An informal course in personal hygiene developed through reading, discussion, lectures, and assigned topics.

Two one-hour periods per week.

*50. Home Nursing (fall, spring) 2 units

Students completing this course and passing the examination will be granted the Red Cross Home Nursing Certificate.

Two one-hour periods per week.

55. First Aid (fall, spring) 2 units

This course conforms to the standards of the American Red Cross Lectures, practical demonstrations, and practice periods. Those passing the written tests and practical demonstrations will receive the Standard and Advanced Red Cross First Aid Certificates.

Two one-hour periods per week.

*160. Public Health 3 units

A survey of the field of public health, including disease prevention and control; the social, medical, and economic aspects of sickness and disability, with special emphasis on administrative programs of federal, state, and local health agencies.

Three one-hour periods per week.

* Not given 1944-45.

RELATED COURSES IN OTHER DEPARTMENTS

Anatomy 66 (Human Anatomy) -----	3 units
Bacteriology 1 (General Bacteriology) -----	5 units
Biology 103 (Micro-Technique) -----	2 or 3 units
Education 111 (Child Growth and Development) -----	3 units
Home Economics 20 (Nutrition and Foods) -----	3 units
Home Economics 122 (Nutrition Work with Children) -----	3 units
Physical Education 151 (Applied Kinesiology) -----	3 units
Physical Education 152 (Methods in Corrective Physical Education) -----	2 units
Physiology 1 (Elementary Physiology) -----	5 units

PSYCHOLOGY

See Education and Teacher Training, Division of Psychology.

SOCIAL SCIENCES

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN ECONOMICS AND BUSINESS ADMINISTRATION

LOWER DIVISION

	<i>Units</i>
Commerce and Economics-----	18
(See tabulation of major requirements on p. 120.)	
Biological and Physical Sciences-----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English	
1A-1B (Reading and Composition)-----	6
Mathematics	
2 (Mathematics of Finance)-----	3
Physical Education	
Activities (one-half unit each semester)-----	2
Psychology	
1 (General Psychology)-----	3
Social Sciences (in addition to Economics)-----	12
History 4A-4B (History of Western Civilization)-----	6
Geography 1-2 (Physical and Human)-----	6

UPPER DIVISION

Commerce and Economics-----	24
(See tabulation of major requirements on next page.)	
Political Science	
151 (American Constitutional Government)-----	2

Electives—enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major.

COURSE REQUIREMENTS FOR THE A.B. DEGREE

IN SOCIAL SCIENCES

LOWER DIVISION

	<i>Units</i>
Social Sciences-----	12
(See tabulation of major requirements on p. 120.)	
Biological and Physical Sciences-----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English	
1A-1B (Reading and Composition)-----	6
Physical Education	
Activities (one-half unit each semester)-----	4
Psychology	
1 (General Psychology)-----	3

UPPER DIVISION

	<i>Units</i>
Social Sciences -----	24
(See tabulation of major requirements below.)	
Political Science	
151 (American Constitutional Government) -----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SOCIAL SCIENCES

The requirements for this degree are the same as those for the liberal arts A.B. degree in Social Sciences, with these additional requirements:

- (a) Foreign Languages ----- 10 units
(In not more than two languages. Each year of high school foreign language may be counted in satisfaction of three units of this requirement. Part of requirement may be satisfied by upper division courses.)
- (b) Education (upper division) ----- 6 units
- (c) One of the minors must be completed in a subject field taught in high school.
- (d) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See p. 41.

The total number of units required remains the same, i.e., 120.

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SOCIAL SERVICE

The major in Social Service is offered in response to a constantly growing demand for social workers, and is specifically designed to meet the needs of three classes of students:

1. Those who wish to acquire a pre-professional undergraduate training as a basis for graduate training required for senior positions in social service.

2. Those who wish to equip themselves in order to obtain, immediately upon the completion of the undergraduate curriculum, positions in one of the following fields of social service: Public assistance; employment service; old-age and survivor insurance; child welfare; public housing; industrial welfare; rural social programs; community health and recreation; social work in public schools; teaching in social work; social settlement work; county probation work; medical social service and psychiatric work.

3. Those who, having no specific vocational objectives, desire to acquaint themselves with the pressing social problems and remedial measures of the day so that they may make a contribution, as intelligent citizens, to the solution of these problems.

LOWER DIVISION

	<i>Units</i>
Social Science -----	15
(See tabulation of major requirements on p. 120.)	
Biological and Physical Sciences -----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English	
1A-1B (Reading and Composition) -----	6
Home Economics	
20 (Nutrition and Foods) -----	3
Mathematics	
1 (Intermediate Algebra—if not taken in high school) -----	3
Physical Education	
Activities (one-half unit each semester) -----	4
Psychology -----	6
1 (General Psychology) -----	3
3 (Applied Psychology) -----	3
Speech	
1A-1B (Public Speaking) -----	6

UPPER DIVISION

Social Science -----	31
(See tabulation of major requirements on p. 120.)	
Education	
111 (Child Growth and Development) -----	3
Home Economics	
122 (Nutrition Work with Children) -----	3
Political Science	
151 (American Constitutional Government) -----	2

Electives—Enough to bring total of units up to 120.

A minimum of 40 upper division units is required.

The candidate must complete a minor in each of two fields to be selected from the list of minors on page 43, and must maintain a scholarship average of C in the major. However, not more than 60 units of work in the Social Sciences may apply towards the A.B. Degree.

MAJOR AND MINOR REQUIREMENTS

<i>Liberal Arts and Pre- Secondary Major in Social Sciences</i>	<i>Liberal Arts Major in Social Service</i>	<i>Liberal Arts Major in Economic and Business Administration</i>
Lower Division---	Economics	Commerce
Econ. 1A-1B--- 6 units	Econ. 1A-1B----- 6 units	Com. 14A-14B 6 units
History 4A-4B-- 6 units	Econ. 40----- 3 units	Com. 40----- 3 units
	Sociology 1A-1B or	Economics
	History 4A-4B---- 6 units	Econ. 1A-1B-- 6 units
		Econ. 40----- 3 units
Upper Division---	Economics	Commerce
U.D. Economics-- 9 units	Econ. 105 or 106-- 3 units	Com. 130----- 3 units
U.D. History---- 9 units	Econ. 113 or	Com. 134----- 3 units
Additional U.D.	Hist. 174----- 3 units	Economics
Social Science-- 6 units	Econ. 133----- 3 units	Econ. 113----- 3 units
	Econ. 150----- 3 units	Econ. 120----- 3 units
	Econ. 185----- 3 units	Econ. 134----- 3 units
	Econ. 188----- 3 units	Econ. 135----- 3 units
	Political Science 151-- 2 units	Econ. 150
	Sociology	or 151----- 3 units
	Soc. 102----- 3 units	Econ. 188
	Soc. 105----- 3 units	or 195----- 3 units
	Soc. 110A-110B-- 6 units	
	Soc. 160----- 3 units	
Total units required--		
36 units	50 units	42 units

Junior High School Majors

Lower Division-----	Economics 1A-1B ----- 6 units	
	History 4A-4B ----- 6 units	
Upper Division-----	U. D. Econ.---12 units	U. D. Hist.---12 units
		U. D. Econ.---6 units
		U. D. Hist.---6 units
Total units required---	24 units	24 units

	<i>Economics</i>	<i>Minors History</i>	<i>Social Science</i>
Lower Division-----	Econ. 1A-1B--6 units	Hist. 4A-4B---6 units	Econ. 1A-1B---6 units
			Hist. 4A-4B---6 units
Upper Division-----	U. D. Econ.---6 units	U. D. Hist.---6 units	U. D. Econ.---3 units
			U. D. Hist.---3 units
Total units required---	12 units	12 units	18 units

DESCRIPTION OF COURSES

Economics

LOWER DIVISION

1A-1B. Principles of Economics (year) 3-3 units

First semester: Economic organization; the economic laws governing value, price, and the distribution of income; industrial relations; the social security system.

Second semester: Money and banking; international trade, finance, and commercial policy; government finance; economic reform.

Three one-hour periods per week.

14A-14B. Accounting (year) 3-3 units

See Commerce 14A-14B. (May not count as part of the 12 units in Social Science required by the State).

40. Elementary Statistical Methods (spring) 3 units

See Mathematics 40.

UPPER DIVISION

Prerequisite to all upper division courses in Economics: Economics 1A-1B or consent of the instructor. The upper division courses to be given during 1945-1946 will be determined by the needs and requests of the students.

113. Economic and Social History of the United States (spring) 3 units

The development of American economic institutions and the interaction between economic factors and the social and political conditions in the United States.

Three one-hour periods per week.

120. Business Organization (spring) 3 units

The practical problems of organization, control, and management of private enterprise; and the relation of the government to business; emphasis on instruments and methods of financing.

Three one-hour periods per week.

123. Marketing (spring) 3 units

See Commerce 134.

133. The Management of Personal Finances (spring) 3 units

A study of financial institutions and methods of achieving financial security, including borrowing and lending, controlling budgets, investing in securities, buying insurance and annuities, arranging for trust funds, financing home ownership, figuring income tax.

Three one-hour periods per week.

135. Principles of Money and Banking (fall) 3 units

The nature and function of money and credit; the structure and functions of the most important financial institution in American economic society.

Three one-hour periods per week.

150. Labor Economics (fall)**3 units**

A survey of modern labor conditions, followed by a study of the more specific labor problems related to wages, hours of work, conditions of work, unionism, economic security, and industrial relations.

Three one-hour periods per week.

185. Social Security in the United States (spring)**3 units**

The causes of insecurity in the industrial system and of society's attempts to cope with the problem. Regularization of employment and other phases of economic planning; unemployment and old age insurance; security against industrial accidents and occupational diseases; health insurance; and public relief.

Three one-hour periods per week.

188. World Population and Resources (spring)**3 units**

Distribution of the world's population and resources and their relationship in terms of economic welfare; areas of population pressure; measures for economic cooperation in the interests of world peace.

Three one-hour periods per week.

190A. Principles of International Commerce (spring)**3 units**

The theory of international trade; balance of trade and payments; foreign exchanges and foreign trade financing; government control and direction of international trade.

Three one-hour periods per week.

190B. International Economic Policy**3 units**

Tariff and other mechanisms for the control of international trade; the reciprocal trade agreement program; and problems which will be of special importance for world economic reconstruction after the war, i.e., multilateral trade conventions, monetary stabilization, international investments, transport and communication agreements, international cartels and commodity agreements.

Three one-hour periods per week.

Geography

† 1. Physical Geography (fall)**3 units**

The nature of maps; weather and the climates of the world; natural vegetation; soils; land forms; water resources; the seas and their coasts; minerals.

Three one-hour periods per week.

2. Human Geography (fall, spring)**2 or 3 units**

The physical environment as the home of man; the adjustments between population groups and the areas where they live; regional differences and their causes.

Two one-hour periods per week for 2 units. Students planning to transfer to the School of Business Administration at the University of California may obtain an additional unit of credit by doing outside independent study assigned by the instructor.

† Given if sufficient demand.

History

4A-4B. History of Western Civilization (year) 3-3 units

A rapid survey of the political, economic, social, religious, and cultural development of western civilizations from ancient times to the present.

First semester: From ancient times to 17th century.

Second semester: From 17th century to the present.

Three one-hour periods per week.

Both History 4A and History 4B are given each semester.

70. History of the United States (spring) 3 units

A rapid survey from colonial times to the present. Development of the major political and social institutions of the American people; economic development; sectionalism; expansion.

Three one-hour periods per week.

UPPER DIVISION

Prerequisite to all upper division courses in History: History 4A-4B or consent of the instructor. The upper division courses to be given during 1945-1946 will be determined by the needs and requests of the students.

146. Europe since 1870 (fall) 3 units

Political, economic, and social developments leading to World War I, and during the inter-war period. Present-day international relations and plans for world peace.

Three one-hour periods per week.

149. History of Russia (spring) 3 units

The internal developments and the foreign relations of Russia from the time of Peter the Great down to the present.

Three one-hour periods per week.

167. The Foreign Relations of the United States (fall) 3 units

The foreign policy of the United States in the 19th century; the rise of the United States to a position of world power and the problems and changes growing out of this new position.

Three one-hour periods per week.

179. The United States on the Pacific (spring) 3 units

Establishment of American settlement and rule on the Pacific slope of North America and in the islands of the Pacific; role of the United States as a modern Pacific power.

Three one-hour periods per week.

189. History of the Pacific Coast (fall) 3 units

The Spanish period; the frontier in American history; the conquest and development of the Pacific coast region of the United States.

Three one-hour periods per week.

Political Science**151. American Constitutional Government (fall, spring) 2 units**

A study of the structure, operation, and development of the American constitutional system.

This course meets the requirements in United States Constitution established by the Legislature of California.

Two one-hour periods per week.

Sociology**LOWER DIVISION****† 1A-1B. Introduction to Sociology (year) 3-3 units**

A study of sociological principles in terms of human relationships and social institutions.

UPPER DIVISION

Prerequisite to all upper division courses in Sociology: Sociology 1A-1B or consent of the instructor.

† 102. Methods in Social Work (fall) 3 units

A study of the techniques employed in social case work and the administration of community programs of social welfare; acquaintanceship with the literature in the field; observance of local agencies and institutions.

† 110A-110B. The Social Services (year) 3-3 units

The historical development of the social services with emphasis upon modern programs of public assistance.

160. Social and Economic Problems of the Family 3 units

(See Home Economics 160.)

† Given if sufficient demand.

SPEECH AND DRAMATICS

COURSE REQUIREMENTS FOR THE A.B. DEGREE IN SPEECH AND DRAMATICS

LOWER DIVISION

	<i>Units</i>
Speech -----	12
(See tabulation of major requirements on next page.)	
Biological and Physical Sciences-----	12
(To include a year course in a laboratory science. Part of this requirement may be satisfied in high school. See p. 42.)	
English -----	12
1A-1B (Reading and Composition)-----	6
46A-46B (Survey of English Literature)-----	6
Foreign language -----	10
(In not more than two languages. Each year of high school foreign language will be counted in satisfaction of three units of this requirement. Part of this requirement may be satisfied by upper division courses.)	
Philosophy	
6A-6B (Introduction to Philosophy)-----	6
Physical Education	
Activities (to include approved courses in dancing)-----	2
Psychology	
1 (General Psychology) -----	3
Social Sciences -----	12
Econ. 1A-1B (Principles of Economics)-----	6
Hist. 4A-4B (History of Western Civilization)-----	6
(Instead of taking both Economics 1A-1B and History 4A-4B, a student may take Economics 1A-1B plus six units of upper division Economics, or History 4A-4B plus six units of upper division History, plus 2 units additional lower division Social Science.)	

UPPER DIVISION

Speech -----	18
(See tabulation of major requirements on next page.)	
English -----	6
(Consult Speech Department concerning choice of courses.)	
Education -----	6
Political Science	
151 (American Constitutional Government)-----	2
Electives—enough to bring total of units up to 120.	
A minimum of 40 upper division units is required.	

The candidate must complete a *minor in each of two fields* to be selected from the list of minors on page 43, and must maintain a scholarship average of C.

REQUIREMENTS FOR THE PRE-SECONDARY A.B. DEGREE IN SPEECH AND DRAMATICS

The requirements for this degree are the same as those for the liberal arts A.B. degree in Speech and Dramatics, with these additional requirements:

- (a) One of the minors must be completed in a subject field taught in high school.
- (b) Satisfaction of scholarship requirements of institution in which fifth year of study will be taken. See page 41.

The total number of units required remains the same, i.e., 120.

MAJOR AND MINOR REQUIREMENTS

	<i>Liberal Arts and Pre-Secondary Major</i>	<i>Junior High School Major</i>	<i>Minor</i>
Lower Division-----	Speech 1A-1B--6 units 6 units chosen from: Speech 2A-2B--6 units Speech 10-----3 units Speech 17-----3 units Speech 18-----1 unit Speech 25--1 to 4 units	Speech 1A-----3 units Speech 2A-----3 units 6 units chosen from: Speech 1B-----3 units Speech 2B-----3 units Speech 10-----3 units Speech 17-----3 units Speech 18-----1 unit Speech 25--1 to 6 units Speech 80--1 or 2 units	6 units of L. D. Speech
Upper Division-----	Speech 112-----3 units Speech 120A-----3 units Speech 155A- 155B-----6 units Speech 117, 118, 180, 181, (two courses) -----6 units English-----6 units (To be chosen in con- sultation with Speech Department.)	Speech 112-----3 units Speech 155A-----3 units Speech 117, 118, 180, 181, (two courses) -----6 units	6 units of U. D. Speech
Total units required-----	36 units	24 units	12 units

DESCRIPTION OF COURSES

LOWER DIVISION

1A. Public Speaking (fall, spring) 3 units

A basic course in the fundamentals of speech planning and delivery. The course aims to develop self-confidence and poise through oral expression and to awaken interest in the events and problems of the modern world.

Three one-hour periods per week.

1B. Public Speaking (spring) 3 units

A continuation of Public Speaking 1A with a more detailed study of speech planning, the technique of presentation, and the forms of address. Extensive practice in extemporaneous speaking.

Prerequisite: Speech 1A.

Three one-hour periods per week.

2A. Expression and Interpretation (fall, spring) 3 units

A basic course in voice training and in the art of oral interpretation. Oral interpretation of poetry, short stories, and dramatic scenes from the standpoint of both emotional and intellectual reaction.

Three one-hour periods per week.

2B. Expression and Interpretation (fall, spring) 3 units

Continuation of Speech 2A but with particular attention to the specific needs and abilities of the individual student, which determine his activities in class. Particular attention is given to the needs of prospective teachers with respect to reading aloud in the classroom.

Prerequisite: Speech 2A.

Three one-hour periods per week.

10. Technique of Acting (fall) 3 units

This course embraces the basic principles of Dramatic Art. It teaches the fundamentals of pantomime, impersonation, and oral expression. It is designed for students with little or no stage experience who wish to improve their speaking voices and to develop poise and self-confidence.

Two two-hour periods per week.

***17. Radio Production (fall, spring) 3 units**

Study of and practice in the fundamentals and techniques of radio production and radio speech. Each student will participate in diversified radio presentations given in the studio of the local radio station.

Two one-hour class periods and one two-hour laboratory period per week.

18A, B, C, D. Radio Workshop (fall, spring) 1 unit

Students in this course are responsible for the College's radio programs presented over the local radio station. They write, direct, produce, enact, and announce the programs. Though the emphasis is on learning by doing, the student is encouraged to explore the literature on those aspects of radio which particularly interest him.

Two one-hour periods per week and work in the radio studios.

25A, B, C, D. Dramatic Workshop (fall, spring) 1 or 2 units

A laboratory course in acting and in the technical practices of the stage, including construction of sets, stage lighting, theatrical costume and make-up. There are no textbook assignments and no examinations. All the time is spent in the actual work of preparing plays for public performance.

Three two-hour periods per week,

80. Speech Clinic (fall, spring) 1 unit

Individual instruction for students having minor disturbances of voice or speech as well as those having more serious disorders. Consent of the instructor must be obtained for enrollment.

Two half-hour periods per week.

* Not given 1944-45.

UPPER DIVISION

112. Phonetics (fall) 3 units

Principles of phonetics; pronunciation, based on contemporary American usage; phonetic analysis applied to speech improvement.

Three one-hour periods per week.

117. Advanced Radio Production (fall, spring) 3 units

A continuation of Speech 17, with opportunity for each student to center his activities in one or more of the following fields of radio: speech, dramatic production, writing, advertising, organization.

Two one-hour class periods and one two-hour laboratory period per week.

118A, B, C, D. Advanced Radio Workshop (fall, spring) 1 unit

A course of the same character as Speech 18 for advanced students. Prerequisite: Speech 18 or consent of the instructor.

Two one-hour periods per week and work in the radio studios.

***120A. Advanced Dramatics (fall, spring) 3 units**

A course designed to fit the needs of students who have completed the other courses in drama. The content of the course will vary according to the individual needs and desires of the student. Generally it will include the principles of play direction, with the student casting, directing, and producing a one-act play as a final project.

Two two-hour periods per week.

125A, B, C, D. Advanced Dramatic Workshop (fall, spring) 1 or 2 units

A course of the same character as Speech 25 for advanced students. Prerequisite: Speech 1A-1B or consent of the instructor.

Three two-hour periods per week.

155A. Play Production (fall) 3 units

A lecture and laboratory course designed primarily for teachers and students who intend to engage in the work of play production. This advanced course includes such phases of theatrical technique as staging, lighting, costuming, and make-up.

Three one-hour periods per week.

155B. Play Production (spring) 3 units

A course in drama, covering a wide range of plays of representative dramatists. Choice of material for amateur theatricals is considered. Special emphasis is laid on the actual production of plays, including casting and directing. Lectures on problems involved in play production and actual work in directing are included.

Three one-hour periods per week.

171. Survey of the Drama (spring) 3 units

A course in the historical development of the drama, covering representative plays from the Greeks to those of present-day playwrights—Continent, England, and America.

* Not given 1944-45.

180. Speech Correction (fall)*3 units**

The classification, diagnosis, and treatment of speech defects. Theory supplemented by demonstrations and supervised practical work with children and adults in the speech clinic. Intended particularly for training prospective teachers to recognize and correct speech defects of elementary school children.

Three one-hour class periods and one two-hour laboratory period per week.

199. Directed Study in Speech Problems (fall, spring)**1-3 units**

Student assists in speech training. Consent of instructor required for enrollment.

Hours to be arranged with the instructor.

* Not given 1944-45.

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JOHN VAN DUZER	Head Resident, Men's Section, Nelson Hall
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HARRY L. JENKINS, M.D.	College Physician
NOAH A. STROMBERG, D.D.S.	College Dentist
FRED OGILWY	Supervisor of Buildings and Grounds
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MARGARET BROOKINS	Comptroller of Student Accounts
PHYLLIS WOODCOCK	Assistant Financial Secretary

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VERNON L. HUNT

GORDON MANARY
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GIST, ARTHUR S., M.A.

PRESIDENT

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B.S., Indiana State Teachers College (Eastern Division); A.B., University of Indiana; M.A., University of Chicago; additional graduate study, University of Chicago, Stanford University, University of Michigan. Head of Department of Mathematics, Central High School, Elkhart, Indiana; teacher of mathematics, Central High School, Kalamazoo, Michigan, and Central Union High School, Calumet-Laurium, Michigan; Head of Department of Education and Psychology, New Mexico State Teachers College.

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A.B., M.A., and Ph.D., University of California at Los Angeles. Teaching Assistant and Instructor in History, University of California at Los Angeles. Chairman Social Science Department and Director of Guidance, Oceanside Junior College. Author: "The Ohio Company of Virginia: A chapter in the History of the Colonial Frontier" and "American Institutions in Critical Times." Winner of Pacific Coast Branch of American Historical Association award for best book by Pacific Coast Writer in field of American History in 1939.

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Ph.B., M.A., University of Chicago; Ph.D., Stanford University. Assistant, School of Commerce and Administration, University of Chicago; Teaching Assistant, Department of Economics, Stanford University; Summer Session Faculty, San Jose State College, Fresno State College, Miami University (Ohio); Director of Summer Session, Humboldt State College. Senior Economist, Office of Price Administration, Washington, D. C. 1943; Principal Divisional Assistant, Economic Affairs, Department of State, 1943-1944. Author: "The American Discount Market," "Travel Sketches of Europe." Contributor to "Encyclopedia Americana."

BOHLER, ROY

ASSISTANT PROFESSOR OF PHYSICAL EDUCATION

B.S., Washington State College; M.A., University of Southern California. Athletic Director, Willamette University, Washington State College, Beloit College; Fellow in Physical Education, University of Southern California; Supervisor of Physical Education, Punahou Schools, Honolulu, T. H., Athletic Director, Piedmont High School; instructor in physical education, Chico State College.

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Graduate, Cheney State Normal School, Cheney, Washington; A.B., University of Washington; M.A., University of Chicago; additional graduate study, University of Chicago, University of Washington. Teacher in elementary schools; teacher of geography and elementary science, platoon school, Spokane, Washington. Author: "Plans and Activities for the Primary Grades," "Activities in Progressive Education."

*FISHER, RAYMOND H., Ph.D. ASSOCIATE PROFESSOR OF HISTORY
B.A., M.A., Ph.D., University of California; undergraduate study, Yale University; Russian Language School, Summer Session, Columbia University. Teaching assistant, Department of History, University of California. Author: "Russian Fur Trade, 1550-1700." Winner Adams Prize in History, 1944.

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A.B., University of Oregon; Certificate of Librarianship and M.A., University of California. Teacher in Bandon and Eugene high schools, Oregon, and University of Oregon; Library assistant, Universities of Oregon and California; Acting Librarian, Southern Oregon College of Education; Librarian, Marshfield High School, Oregon; School Library Supervisor, Medford, Oregon.

FULKERSON, CHARLES E., A.B. INSTRUCTOR IN MUSIC
A.B., San Jose State College. Piano study under Tamara Morgan and Benning Dexter; study under Gastone Usigli.

*GARVIN, HELEN, M., M.A. ASSOCIATE PROFESSOR OF MUSIC
A.B., College of Pacific; M.A., Mills College; additional training, Northwestern University, Oberlin Observatory, Eastman School of Music, University of Oregon, Chicago Musical College. Supervisor of Music, public schools, Pittsburgh, Pa., Duluth, Minn., Modesto, California. Instructor in Music and Supervisor of Music Student Teachers, Mills College.

*GRIFFITH, HARRY E., M.A. PROFESSOR OF PHYSICAL EDUCATION
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HICKLIN, MAURICE, M.A. PROFESSOR OF ENGLISH
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*HUNTER, JAMES J., Ph.D. ASSOCIATE PROFESSOR OF EDUCATION AND PSYCHOLOGY
A.B., Cornell University; M.S., Ph.D., Syracuse University; additional graduate study at New York State College for Teachers, Albany, N. Y., and Syracuse University. Teacher and administrator in the public schools of New York. Graduate Fellow and Instructor, School of Education, Syracuse University; summer session faculty, College of Business Administration and School of Business, Syracuse University; Associate Director of Teacher-Training and Lecturer in Education, School of Education, Syracuse University.

*JEFFERS, EDMUND V., Ph.D. ASSOCIATE PROFESSOR OF MUSIC
B. Mus. Ed., Illinois Wesleyan University; M. Mus., Bush Conservatory of Music; Ph.D., Columbia University. Graduate study with Theodore Harrison, Jeanne Boyd, Father Wm. J. Finn, Blanche Blackman, Louise Hayden.

JEFFERS, HAZEL, B.Mus. ASSISTANT PROFESSOR
B.Mus., Illinois Wesleyan University. Student of piano under Edmund Munger. Music and Art Supervisor in East McKeesport, Pa., Secretary, International Congress on Education for Democracy, Columbia University.

* On leave 1945-46.

JENKINS, R. HORACE, M.S.

PROFESSOR OF INDUSTRIAL EDUCATION

B.S. and M.S., Oregon State College; Graduate, Central State Teachers College, Oklahoma, four year Classical Course and three-year Art and Shop Course; additional study, Oswego State Normal School, University of California, University of Chicago, Columbia University, Stanford University. Assistant in Art, Oklahoma State Teachers College; practical experience in trades and industries; experience as owner and manager of a commercial pottery shop.

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